

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Anthony Blackman Examiner #: 76101 Date: 7/1/03
Art Unit: 2676 Phone Number 305-0833 Serial Number: 591800-093
Mail Box and Bldg/Room Location: CPII 606 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic; and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Geo-Referencing of Aerial Imagery using Embedded

Inventors (please provide full names): IMAGE IDENTIFIER AND CROSS-Referenced Data Sets

Geoffrey Rhoads

Earliest Priority Filing Date: 7/17/2001

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

~~CLAIM 1~~ Digital watermarking or watermarking images or image data or signals acquired by satellite or aerially or from an airplane or space shuttle.

Store images in a database/memory generate a map from the database watermarking the map

each of AND the composite map data components, parts, portions are watermarked and encoded or linked to meta-data (files of data) of each map portion.

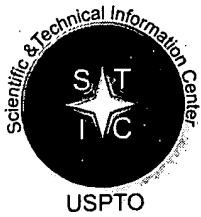
Digimarc is the assignee
CLAIMS ARE ATTACHED

7-1-03 2:15pm

STAFF-USE ONLY

Searcher: Muriela Reynolds
Searcher Phone #: 306-0255
Searcher Location: PIC 2303
Date Searcher Picked Up: 7-3-03
Date Completed: 7-3-03
Searcher Prep & Review Time: 02
Clerical Prep Time:
Online Time: 112

Type of Search
NA Sequence (#) _____ STN _____
AA Sequence (#) _____ Dialog
Structure (#) _____ Questel/Orbit _____
Bibliographic Dr. Link _____
Litigation _____ Lexis/Nexis _____
Fulltext Sequence Systems _____
Patent Family _____ WWW/Internet
Other _____ Other (specify) not



STIC Search Report

EIC 2600

STIC Database Tracking Number: 97884

TO: Anthony Blackman
Location: PK2 6A06
Art Unit: 2676
Thursday, July 03, 2003

Case Serial Number:

From: Pamela Reynolds
Location: EIC 2600
PK2-3C03
Phone: 306-0255

Pamela.Reynolds@uspto.gov

Search Notes

Dear Anthony Blackman,

Please find attached the search results for . I used the search strategy I emailed to you to edit, which you did. I searched the standard Dialog files, and the internet.

If you would like a re-focus please let me know.

Thank you.

Pamela Reynolds

? ds

Set	Items	Description
S1	116	(DIGIT? OR ELECTRONIC?) (3N) (WATERMARK? OR WATER()MARK? OR - MARKER? OR MARKING? OR SYMBOL? OR STENCIL? OR PATTERN? OR FIN- GERPRINT? OR IDENTIFIER?)
S2	932	MAPS AND (GENERAT? OR CREAT? OR COMPIL?)
S3	2322	GEOGRAPHIC? OR LAND OR LANDSCAPE
S4	24359	IMAG? OR PICTURE? OR GRAPHIC? OR PHOTO?? OR PHOTOGRAPH??
S5	5396	S4 AND (PORTION? OR PARTS OR PART OR SECTION? OR SECTORS OR COMPONENT? OR SEGMENT? OR PIECE?? OR FRAGMENT?)
S6	266	(SPACE()SHUTTLE OR AERIAL OR AIRPLANE OR SPOT OR SATELLITE-) (3N) S4
S7	22940	LINK? OR CONNECT? OR ENCOD?
S8	189	(METADATA OR META()DATA OR HEADER()DATA) AND S7
S9	0	AU=(RHOADS G? OR RHOADS, G?)
S10	32	DIGIMARC
S11	0	S1 AND S5 AND S8
S12	11	S1 AND S5
S13	0	S12 AND S7
S14	9	RD S12 (unique items)
S15	1	S1 AND S6
S16	1	S1 AND (SPACE()SHUTTLE OR AERIAL OR AIRPLANE OR SPOT OR SA- TELLITE) AND S4
S17	0	S16 NOT S15
S18	0	S10 AND S6

14/3,K/1

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.
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00144875 DOCUMENT TYPE: Review

PRODUCT NAMES: **Fingerprint Recognition (805076); Biometrics (830213)**

TITLE: **Ubiquitous Biometrics: Fulfilling the Promise at Last**

AUTHOR: Lake, Don W

SOURCE: Advanced Imaging, v18 n1 p22(3) Jan 2003

ISSN: 1042-0711

HOME PAGE: <http://www.advancedimagingmag.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

REVISION DATE: 20030630

A fingerprint verification system has two primary parts : a sensor that converts information in the lines and swirls of the **fingerprint** to an **electronic** format useful for processing and a processing engine that creates information from the data. The...
...Large area sensors (contact sensors) can provide the needed performance but are too expensive, while **image** sensor cost continues to drop, while pixel sizes get smaller and volumes rise. The sensors...

14/3,K/2

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00144833 DOCUMENT TYPE: Review

PRODUCT NAMES: **Biometrics (830213); Manufacturing (830312)**

TITLE: **To enter, touch finger here: System-based design increases...**

AUTHOR: Woo, Alfred

SOURCE: InTech, p39(3) Dec 2002

ISSN: 0192-303X

HOME PAGE: <http://www.isa.org>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

REVISION DATE: 20030530

...genuine authentication system is required that provides a full-functioned, intuitive solution for the consumer **electronic** market. **Fingerprint** technology has had a longer development cycle than other biometric methods, and today's technology...
...enhanced performance at relatively low cost. Optical fingerprint sensors are dependable and low cost, but **image** quality and performance can be adversely impacted by dirty fingers and prism surface coating. However, thermal sensors **image** the fingerprint surface using differentials in heat emission from the ridges of the print and...

...The thermal sensing elements determine temperature differences between

ridges and valleys to create a composite **image** of the fingerprint.
Direct-current capacitive sensor technology uses a side-by-side array of...

...and ridges are used. The sensor detects variance between the two to create a print **image**. Also discussed are RF field sensors and security applications that integrate and make available all other **components** of the security system.

14/3,K/3

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00139027 DOCUMENT TYPE: Review

PRODUCT NAMES: **Mega-Plus 1.4 (112569); Componon-S (112551); Sapera (769282)**

TITLE: **Imaging system identifies suspects: UK National Automated...**
AUTHOR: Hardin, R Winn
SOURCE: Vision Systems Design, v7 n4 p16(3) Apr 2002
ISSN: 1089-3709
HOMEPAGE: <http://www.vision-systems-design.com>

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20030327

TITLE: **Imaging system identifies suspects: UK National Automated.....**

Kodak's Mega-Plus 1.4 I-model, Schneider Optics' Componon-S, and Coreco **Imaging** 's SAPERA are highlighted in a discussion of the use of an **imaging** system by the U.K. National Automated Fingerprint Identification System (NAFIS) to quickly match fingerprints...

...done by TRW Systems Business System and Agris-Schoen Vision Systems on a latent-fingerprint **imaging** system that uses lasers, a 100 percent fill-factor Eastman Kodak CCD camera with fixed optics, and several lighting and filtering **components**, was instrumental in solving the crime and arresting and convicting the suspect. The system **digitally** lifts **fingerprints** at a guaranteed resolution of 500 dpi, using software from Agris-Schoen that shows the **image** on a Camera Mark workstation. A technician identifies up to 126 details and sends vector...

...COMPANY NAME: 727504); Coreco **Imaging** Inc...
DESCRIPTORS: Forensics; **Image** Processing; **Image** Recognition;
Photography ; Police Departments

14/3,K/4

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00137078 DOCUMENT TYPE: Review

PRODUCT NAMES: **Holography (843733)**

TITLE: **Holographic Particle Image Velocimetry**

AUTHOR: Weaver, Bill
SOURCE: Scientific Computing & Instrumentat, v19 n2 p45(1) Jan 2002
ISSN: 0891-9003
HOMEPAGE: <http://www.scimag.com>

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20020930

TITLE: Holographic Particle Image Velocimetry

Particle **Image** Velocimetry (PIV) is a technique used to study small particles in fluid flow and is...
...an optical method used to obtain object velocity by using a stationary camera that records **images** of object position at two instants in time. Today's most modern PIV systems incorporate Holographic PIV (HPIV) where the 3D **image** of the flow is captured on doubly exposed holographic film. After reconstruction of the hologram, conventional 2D PIV equipment can be employed to analyze cross- **sectional images** of the hologram. Recently, a digital camera is replacing holographic film. Multiple coherent laser beams, in a process called Direct-to-Digital Holography (DDH), are used to **image** a diffraction **pattern** onto the **digital** camera. Particles flow through the beams, and the resultant interference fringes are recorded digitally. Fresnel transform or a Fresnel-derived wavelet set called Fresnelets allow the 2D **digital** interference **patterns** to be numerically rebuilt into 3D **images** of the flow field, and velocity vectors are extracted. Currently, more knowledge is required on...

DESCRIPTORS: Computational Fluid Dynamics; **Graphics** for Science & Engineering; Holography; **Image** Processing; Research & Development; Science

14/3,K/5

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.
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00130258 DOCUMENT TYPE: Review

PRODUCT NAMES: Digimarc ImageBridge (020893); SureSign (049069); SysCoP (049077); Batch It! (049085)

TITLE: Digital Copyright Control: Digital watermarks and Web spiders...

AUTHOR: Binder, Kate
SOURCE: Photo>Electronic Imaging, v44 n5 p24(3) May 2001
ISSN: 0146-0153
HOMEPAGE: <http://www.peimag.com>

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20010730

PRODUCT NAMES: Digimarc ImageBridge (

TITLE: Digital Copyright Control: Digital watermarks and Web

spiders.....

BlueSpike's Giovanni, Digimarc's Digimarc **ImageBridge**, Alphatec's EIKONAmark, Signum Technologies' SureSign, MediaSec Technologies' SysCoP, and RedSoft's Batch It! are **digital watermarking** and World Wide Web spider products that can protect online **images** from unauthorized use. **Digital watermarks** embed **images** with marks that cannot be seen by the human eye. The marks are only visible with special viewing **components**, but some can be found by Web-searching software. **ImageBridge** automatically routes viewers and possible copyright infringers directly to the **image** owner's Web site, where the **pictures** can be purchased legally. EIKONAmark has some of the same types of features, including the AlphaCrawler Web search utility. EIKONAmark can also scan and detect alterations made to **image** and highlights changed areas in red. BlueSpike makes Giovanni software, which it now markets to...

...to be the dominant watermarking-standard provider). However, Giovanni watermarks can also be embedded in **image** files with marks as tiny as 100/100 pixels. Giovanni is not fazed by JPEG...

...watermark, and SysCoP is a Web spider. Shareware programs available are Fluid Vision Systems' Tranz **Image** Watermarking System for JPEG **images** and BatchIt! for JPEG, BMP, PCX, PNG, GIF, and TIFF formats.

14/3,K/6

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.
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00121015 DOCUMENT TYPE: Review

PRODUCT NAMES: Digital Watermarking (840793

TITLE: Digital Media: Digital Watermarks Explained: How distributors prot...

AUTHOR: Zeichick, Alan

SOURCE: Red Herring, v73 p270(2) Dec 1999

ISSN: 1080-067X

HOME PAGE: <http://www.redherring.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

REVISION DATE: 20010730

PRODUCT NAMES: Digital Watermarking (

TITLE: Digital Media: Digital Watermarks Explained: How distributors prot.....

Distributors can protect their products by using **digital watermarks** which are sets of data that are embedded inside a larger set of data, and that will identify the origins or ownership of a specific **piece** of work. **Digital watermarks** can be visible or invisible. Invisible watermarks are called stenographs, and one way of making...

...is by making minor changes in the data that makes up a song or an **image**. For **images**, this means decreasing the color value of the watermark by a certain amount, and while...

...to detect is to vary the scheme and vary the percentage of color changes. For **digital music**, **watermarks** can be placed at very low audio frequencies, but this can be a real challenge...

14/3,K/7

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.
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00116215 DOCUMENT TYPE: Review

PRODUCT NAMES: MPEG 2 & 4 (832146); Digital Watermarking (840793

TITLE: Digital Watermarking : From Concepts to Real-Time Video
Applications

AUTHOR: Busch, Christoph Funk, Wolfgang Wolthusen, Stephen
SOURCE: IEEE Computer Graphics & Appl, v19 n1 p25(11) Jan/Feb 1999
ISSN: 0272-1716
HOMEPAGE: <http://computer.org/cga>

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20010730

...PRODUCT NAMES: 832146); Digital Watermarking (

TITLE: Digital Watermarking : From Concepts to Real-Time Video
Applications

A number of **digital watermarking** techniques for real-time MPEG-2 video delivery over the Internet are discussed here, including the types of applications **digital watermarking** is good for and their inherent copyright considerations, compression schemes, and security problems. Based on the ancient technique of steganography, **digital watermarking** can be applied to the individual audio and video **portions** of an MPEG-2 file. Though useful as copyright protection, **digital watermarking** techniques should only be used as a last resort because the technology only comes into play after copyright infringements have been committed. For a **digital watermark** algorithm to be fully secure it must be easy to understand, provide a high level...

...based approach is best. Some watermarking algorithms can leave a visible 'mark' on still video **images** that are converted to moving **images**. Future copyright considerations must also be held for the coming MPEG-4 format.

14/3,K/8

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.
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00109709 DOCUMENT TYPE: Review

PRODUCT NAMES: Digital Watermarking (840793); Electronic Publishing (830458

TITLE: Digital Watermarking : Intellectual Property Protection for the Int...

AUTHOR: Hawkins, Donald T
SOURCE: Online Magazine, v22 n4 p91(3) Jul/Aug 1998
ISSN: 0146-5422
HOMEPAGE: <http://www.onlineinc.com>

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20010730

PRODUCT NAMES: Digital Watermarking (

TITLE: Digital Watermarking : Intellectual Property Protection for the Int.....

A watermark is used to ensure the validity of a document. **Digital watermarking** technology is a promising way to protect the rights of digital information owners. A **digital watermark** is different from a paper one, because they are usually hidden from the user and...

...multiple media types. These factors make it attractive as a way to protect information products. **Digital watermarking** is part of steganography, the science of communicating in a hidden way. **Digital watermarking** uses naturally occurring variations of text and **images**, and cannot be seen by the user unless a special technique is used. **Digital watermarks** are nearly impossible to detect and remove, and will also survive any type of copying, printing, or electronic manipulation that may occur. Some **digital watermark** software packages place an invisible watermark into an **image** file, and when the **image** is viewed with a Web browser, the viewer will be alerted to the **image**'s copyright status. There are some questions as to whether it is secure, and for...

...removed. Some software programs are available that claim to be able to detect and remove **digital watermarks**.

14/3,K/9

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00105170 DOCUMENT TYPE: Review

PRODUCT NAMES: IBM Digital Library (545856); IBM Cryptolope (595691); MarcSpider (684449); Adobe Photoshop (213756); ThingMaker (678287)

TITLE: Corraling Your Content: Stop Those Copyright Claim Jumpers!

AUTHOR: Wiggins, Richard
SOURCE: NewMedia, v7 n13 p40(6) Oct 13, 1997
ISSN: 1060-7188
HOMEPAGE: <http://www.newmedia.com>

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20010330

...Photoshop, and Parable's ThingMaker are highlighted in a discussion of copyright issues that are **part** and parcel of Internet-based publishing

and distribution. The basic problem is the ability of pirates to distribute exact copies without paying for them. **Digital Library** provides a **watermarking** tool and is available as a plug-in for Adobe Photoshop; the Library of Congress...

...invisible watermarking method MarcSpider service to find offenders; it is integrated in Photoshop and other **graphics** programs. It allows artists to save **images** with copyright data embedded in each **image**. MarcSpider embeds invisible data throughout the **image** file, and scans the World Wide Web looking for **images** with the embedded metadata. When an unauthorized site is located, 'Playboy's lawyers send letters to pirates ordering them to cease and desist publishing the **image**. ThingMaker is a new authoring tool that creates Web animations while attending to redistribution and...
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15/3,K/1

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.
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01117404 DOCUMENT TYPE: Product

PRODUCT NAME: Digital ChartKit 2002 Standard & Professional (117404)

Maptech Inc (551325)
10 Industrial Way
Amesbury, MA 01913 United States
TELEPHONE: (978) 792-1000

RECORD TYPE: Directory

CONTACT: Sales Department

REVISION DATE: 20021130

...editions, provides U.S. and international nautical charts. Digital ChartKit 2002 includes NOAA charts, navigation **photographs**, **aerial pictures**, USGS coastal topographic maps, and current and tide information. It also provides users with marine...

...pilot and light lists. The Professional Edition is updated weekly with 'Notice to Mariners' reports. **Digital** ChartKit also includes **symbol** and abbreviation help features. Its Maptech/BSB 3.0 charts are compatible with most computer...
?

File 2:INSPEC 1969-2003/Jun W4
(c) 2003 Institution of Electrical Engineers
File 6:NTIS 1964-2003/Jun W5
(c) 2003 NTIS, Intl Cpyrght All Rights Res
File 8:Ei Compendex(R) 1970-2003/Jun W4
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File 99:Wilson Appl. Sci & Tech Abs 1983-2003/May
(c) 2003 The HW Wilson Co.
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File 233:Internet & Personal Comp. Abs. 1981-2003/May
(c) 2003 Info. Today Inc.
File 239:Mathsci 1940-2003/Aug
(c) 2003 American Mathematical Society
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(c) 1998 Inst for Sci Info
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(c) 2002 The Gale Group
File 603:Newspaper Abstracts 1984-1988
(c)2001 ProQuest Info&Learning
File 483:Newspaper Abs Daily 1986-2003/Jul 02
(c) 2003 ProQuest Info&Learning
File 248:PIRA 1975-2003/Jun W5
(c) 2003 Pira International

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Set	Items	Description
S1	22749	(DIGIT? OR ELECTRONIC?) (3N) (WATERMARK? OR WATER()MARK? OR - MARKER? OR MARKING? OR SYMBOL? OR STENCIL? OR PATTERN? OR FIN- GERPRINT? OR IDENTIFIER?)
S2	42949	MAPS AND (GENERAT? OR CREAT? OR COMPIL?)
S3	858043	GEOGRAPHIC? OR LAND OR LANDSCAPE
S4	4225590	IMAG? OR PICTURE? OR GRAPHIC? OR PHOTO?? OR PHOTOGRAPH??
S5	734791	S4 AND (PORTION? OR PARTS OR PART OR SECTION? OR SECTORS OR COMPONENT? OR SEGMENT? OR PIECE?? OR FRAGMENT?)
S6	72287	(SPACE()SHUTTLE OR AERIAL OR AIRPLANE OR SPOT OR SATELLITE-) (3N)S4
S7	2886285	LINK? OR CONNECT? OR ENCOD?
S8	1156	(METADATA OR META()DATA OR HEADER()DATA) AND S7
S9	353	AU=(RHOADS G? OR RHOADS, G?)
S10	92	DIGIMARC
S11	1983	S1 AND S5
S12	1	S11 AND S8
S13	18	S1 AND S2 AND (S3 OR S6)
S14	0	S13 AND S8
S15	18	S13 NOT S12
S16	15	RD S15 (unique items)
S17	57	S1 AND (S9 OR S10)
S18	5	S17 AND S5
S19	5	S18 NOT (S12 OR S13)
S20	4	RD S19 (unique items)

S21	27	S1 AND S8
S22	4	S21 AND S4
S23	3	S22 NOT (S18 OR S12 OR S13)
S24	2	RD S23 (unique items)

12/3,K/1 (Item 1 from file: 8)
DIALOG(R)File 8:EI Compendex(R)
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06214755 E.I. No: EIP02477229422

Title: Metadata -based access to multimedia architectural and historical archive collections

Author: Bekaert, Jeroen; Van De Ville, Dimitri; Rogge, Boris; Lerouge, Sam; De Sutter, Robbie; De Kooning, Emiel; Van de Walle, Rik
Corporate Source: Ghent University Dept. of Electron. and Info. Systems
Multimedia Lab, Ghent, Belgium

Conference Title: Internet Multimedia Management Systems III
Conference Location: Boston, MA, United States Conference Date:
20020731-20020801

E.I. Conference No.: 60233

Source: Proceedings of SPIE - The International Society for Optical Engineering v 4862 2002. p 22-29

Publication Year: 2002

CODEN: PSISDG ISSN: 0277-786X

Language: English

Title: Metadata -based access to multimedia architectural and historical archive collections

...Abstract: comprehensive approach to the access of archival collections necessitates the interplay of various types of **metadata** standards. Each of these standards fulfills its own **part** within the context of a '**metadata** infrastructure'. Besides this, it should be noted that present-day digital libraries are often limited to the management of mainly textual and **image**-based material. Archival Information Systems dealing with various media types are still very rare. There...

...data within digital collections. A flexible and extendible framework is proposed, based on the emerging **Metadata Encoding** and Transmission Standard (METS). Firstly, we will focus on the description of archival collections according...

...semantics and structure of multimedia data. In this respect, an extension of the present archival **metadata** framework has been proposed to time-based media content delivered via standards such as the...

Descriptors: Multimedia systems; **Metadata**; Computer architecture; **Digital** libraries; **Encoding** (**symbols**); Hierarchical systems; Data transfer; Semantics

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16/3,K/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

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7515619 INSPEC Abstract Number: C2003-03-7840-006

Title: Digital watermarking of vector digital maps

Author(s): Ueda, H.; Ohbuchi, R.; Endo, S.

Author Affiliation: Comput. Sci. Dept., Yamanashi Univ., Kofu, Japan

Journal: Transactions of the Information Processing Society of Japan
vol.43, no.8 p.2478-88

Publisher: Inf. Process. Soc. Japan,

Publication Date: Aug. 2002 Country of Publication: Japan

CODEN: JSGRD5 ISSN: 0387-5806

SICI: 0387-5806(200208)43:8L.2478:DWVD;1-A

Material Identity Number: T205-2002-011

Language: Japanese

Subfile: C

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Title: Digital watermarking of vector digital maps

Abstract: Widespread use of **geographical** information systems has prompted investigations into protecting intellectual property of digital **maps**. This paper proposes a **digital watermarking** algorithm that aims to protect intellectual property of vector digital **maps**. A vector digital map represents **geographical** objects, such as buildings, contour lines, and streets using (two-dimensional) geometrical primitives such as...

... average coordinate value of a group of vertices in a rectangular area. The rectangle is **created** by subdividing the map into rectangular sub-areas based on the density of geometrical primitives...

...Descriptors: **geographic** information systems

Identifiers: vector digital **maps** ; ...

... **geographical** objects...

... **geographical** information systems...

... **digital watermarking** ;

16/3,K/2 (Item 2 from file: 2)

DIALOG(R)File 2:INSPEC

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5927548 INSPEC Abstract Number: B9807-6140C-107, C9807-7250L-005

Title: Image processing in the Alexandria Digital Library project

Author(s): Manjunath, B.S.

Author Affiliation: Dept. of Electr. & Comput. Eng., California Univ.,
Santa Barbara, CA, USA

Conference Title: Proceedings. IEEE International Forum on Research and
Technology. Advances in Digital Libraries - ADL'98 (Cat. No.98TB100235)
p.180-7

Publisher: IEEE Comput. Soc, Los Alamitos, CA, USA

Publication Date: 1998 Country of Publication: USA x+328 pp.

ISBN: 0 8186 8464 X Material Identity Number: XX98-01044

U.S. Copyright Clearance Center Code: 0 8186 8464 X/98/\$10.00

Conference Title: Proceedings IEEE International Forum on Research and
Technology Advances in Digital Libraries -ADL'98-

Conference Sponsor: IEEE Comput. Soc. Tech. Committee on Digital Libr.;
NASA Goddard Space Flight Center; Nat. Libr. Med.; Alexandria Digital Libr.

; Libr. Congress; CEDIS; Hughes Aircraft; IBM
Conference Date: 22-24 April 1998 Conference Location: Santa Barbara,
CA, USA
Language: English
Subfile: B C
Copyright 1998, IEE

...Abstract: in the context of the UCSB Alexandria Digital Library (ADL)
project whose goal is to **create** a database of spatially indexed data.
Maps and **satellite images** are among the main data sets in this
project. The focus of this overview is on image retrieval using texture and
on **digital watermarking**. A texture thesaurus for browsing **aerial**
photographs and a wavelet based **digital watermarking** scheme are
presented.

...Identifiers: **satellite images** ; ...

... **maps** ; ...

... **digital watermarking** ; ...

... **aerial photographs** ; ...

...wavelet based **digital watermarking** scheme

16/3,K/3 (Item 3 from file: 2)
DIALOG(R)File 2:INSPEC
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5899899 INSPEC Abstract Number: B9806-6140C-089, C9806-7840-002

**Title: Extraction of discontinuous chains of symbols by means of
perceptual grouping**

Author(s): Gamba, P.; Lilla, M.; Mecocci, A.
Author Affiliation: Dipt. di Elettronica, Pavia Univ., Italy
Conference Title: Proceedings. International Conference on Image
Processing (Cat. No.97CB36144) Part vol.2 p.422-5 vol.2
Publisher: IEEE Comput. Soc, Los Alamitos, CA, USA
Publication Date: 1997 Country of Publication: USA 3 vol.
(lii+951+892+748) pp.
ISBN: 0 8186 8183 7 Material Identity Number: XX97-02848
U.S. Copyright Clearance Center Code: 0 8186 8183 7/97/\$10.00
Conference Title: Proceedings of International Conference on Image
Processing

Conference Sponsor: IEEE Signal Process. Soc
Conference Date: 26-29 Oct. 1997 Conference Location: Santa Barbara,
CA, USA

Language: English
Subfile: B C
Copyright 1998, IEE

Abstract: This paper proposes a new algorithm which applies perceptual
grouping to track discontinuous chains of **symbols** in **digitized maps**.
The procedure is based on an artificial intelligence kernel that supervises
three different auxiliary processes: the search strategy **generation**
module, responsible for the strategy to scan pixels; the symbol detection
module that extracts the...

...Descriptors: **geographic** information systems

...Identifiers: **digitized maps** ; ...

...search strategy **generation** module...

... **geographic** information system

16/3,K/4 (Item 4 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

04086787 INSPEC Abstract Number: A9206-9385-012, C9203-7340-048

Title: Image maps : integrating remote sensing, GIS and cartography

Author(s): Mak, K.; Bourns, G.

Author Affiliation: Intergraph Canada Ltd., Calgary, Alta., Canada

Conference Title: Canadian Conference on GIS. Proceedings. National Conference p.811-12

Publisher: Canadian Inst. Surveying and Mapping, Ottawa, Ont., Canada

Publication Date: 1991 Country of Publication: Canada xiii+1078 pp.

ISBN: 0 919088 41 4

Conference Date: 18-21 March 1991 Conference Location: Ottawa, Ont., Canada

Language: English

Subfile: A C

Title: Image maps : integrating remote sensing, GIS and cartography

Abstract: Summary form only given. In recent years, the demand has increased for integrating image processing, **geographic** information and cartographic systems into a single working environment. One such product, developed as a result of this integrated system, is the Image Map. The paper illustrates how Image **Maps** are **created** using a single vendor hardware/software (UNIX) system that provides end-to-end automatic processing. Scanned **aerial photography**, airborne or **satellite imagery** (raster) are enhanced using the image processing component. **Geographic** map data (vector), used in combination with the processed image, is **created** or extracted from the GIS component. Further registration and resampling of the scene (raster/vector) are handled by the image processing component. The **creation** of colour, composited separates is performed using the cartographic production component. In this prepress stage, **digital** tint screens, **patterns**, color, annotation, rmarginalia, symbology and other cartographic enhancements are added. The software allows for automatic...

... Then, the composite film separates are outputted on a high-resolution film recorder for the **creation** of printing plates to publish the Image Map.

...Descriptors: **geographic** information systems

Identifiers: **geographic** information systems...

...scanned **aerial photography** ; ...

...Image **Maps** ; ...

... **satellite imagery** ;

16/3,K/5 (Item 1 from file: 6)

DIALOG(R)File 6:NTIS

(c) 2003 NTIS, Intl Cpyrght All Rights Res. All rts. reserv.

1615248 NTIS Accession Number: TIB/A91-01945

Untersuchungen zur kartographischen Symbolisierung und Verdraengung im Rasterdatenformat. (Investigations on cartographic symbolization and displacement in raster data formats)

(Diss. (Dr.-Ing))
Jaeger, E.
Hanover Univ. (Germany, F.R.). Fachbereich Bauingenieur- und Vermessungswesen.

Corp. Source Codes: 069173029; 7041528
1990 158p

Languages: German Document Type: Thesis
Journal Announcement: GRAI9203

In German. Wissenschaftliche Arbeiten der Fachrichtung Vermessungswesen der Universitaet Hannover, no. 167.

Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.

NTIS Prices: PC E14

Topographic and thematic **maps** are composed of local, linear, and areal features. Once having such data in non-graphic digital form, e.g. in a **Geographic** Information System or a Digital **Landscape** Model (DLM), it is desirable to find a fully automatic way of processing the data...

... DCM). In this thesis, tools and modules in raster format are investigated and presented to **symbolize** **digital** topographic data inclusively the necessary steps of data generalization with special regard to the process...

... raster processing of mostly vector based DLM-data is a vector-to-raster conversion that **generates** raster data in a vector oriented chain code with some graphic related attributes. This leads...

... linear, and areal features in different explicit DCM layers. The practicability of the investigations about **symbolization** and displacement of **digital** data in raster formal is demonstrated by practical examples including many exceptional cases. (orig./PW...

16/3,K/6 (Item 2 from file: 6)
DIALOG(R)File 6:NTIS
(c) 2003 NTIS, Intl Cpyrght All Rights Res. All rts. reserv.

0866390 NTIS Accession Number: AD-A091 855/7/XAB
SEEFAR: An Improved Model for Producing Line-of-Sight Maps

(Technical rept)

Broome, B. D.

Army Materiel Systems Analysis Activity, Aberdeen Proving Ground, MD.

Corp. Source Codes: 054816000; 403910

Report No.: AMSAA-TR-225

Sep 80 88p

Languages: English

Journal Announcement: GRAI8106

Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.

NTIS Prices: PC A05/MF A01

SEEFAR: An Improved Model for Producing Line-of-Sight Maps

This report describes an improved model for producing line-of-sight **maps**. Many models determine whether a target is within view by drawing a terrain profile between...

...target and examining it to see if it interferes with line of sight; this requires **generating** a completely new profile for each target position. The new model avoids this time-consuming profile for each target position. The new model avoids this time-consuming profile **generation** by dynamically recording the characteristics of a 'running horizon' as computations are made for points...

Descriptors: **Maps** ; Line of sight; Algorithms; Computer programs; Subroutines; Coordinates; **Geographic** areas; **Symbols** ; **Digital maps** ; **Terrain**; Position(Location)
Identifiers: Line of sight **maps** ; NTISDODXA

16/3,K/7 (Item 3 from file: 6)
DIALOG(R)File 6:NTIS
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0584692 NTIS Accession Number: AD-854 619/4/XAB

MAPCON Design Study

(Final technical rept. 1 Jun 66-31 Mar 67)

Lipp, R. ; Owens, R. F. ; Sinnamon, L. D. ; Van Duinen, R. ; Holford, W.
Scope Inc Reston VA

Corp. Source Codes: 318650

May 67 240p

Journal Announcement: GRAI7701

Distribution limitation now removed. Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.

NTIS Prices: PC A11/MF A01

... of adaptive learning devices (MAPCON's) that will extract, identify, and delineate detail for map **compilation**. The hardware designs for the first free-standing device of the family (prototype MAPCON) and...

Descriptors: Photogrammetry; *Electrooptics; *Mapping; * **Maps** ; Terrain intelligence; Reproduction; **Aerial photographs** ; Photointerpretation; Input output devices; Photographic images; Video signals; Mathematical analysis; Plants(Botany); Terrain; Hydrology; Surface targets; Optical scanning; Data processing; Analog-to-digital converters; Plotters; Display systems; Cathode ray tubes; **Electronic** scanners; Classification; **Pattern** recognition; Artificial intelligence; Adaptive systems

16/3,K/8 (Item 1 from file: 8)
DIALOG(R)File 8:EI Compendex(R)
(c) 2003 Elsevier Eng. Info. Inc. All rts. reserv.

05303432 E.I. No: EIP99064703518

Title: Perceptual grouping for symbol chain tracking in digitized topographic maps

Author: Gamba, P.; Mecocci, A.

Corporate Source: Universita di Pavia, Pavia, Italy

Source: Pattern Recognition Letters v 20 n 4 Apr 1999. p 355-365

Publication Year: 1999

CODEN: PRLEDG ISSN: 0167-8655

Language: English

Title: Perceptual grouping for symbol chain tracking in digitized topographic maps

...Abstract: paper a new algorithm that applies perceptual grouping to detect and track discontinuous chains of **symbols** in **digitized maps** is

proposed. The procedure is based on an artificial intelligence kernel that supervises three different auxiliary processes: the Search Strategy **Generation** module that is responsible for the strategy to scan pixels; the Symbol Detection (SD) module...

...algorithm discussion, the problem of the extraction of dotted and dashed lines from digitized topographic **maps** is discussed. Experimental results on many **maps** of the Istituto Geografico Militare Italiano (IGMI) show a very good behavior: 92% of the...

Descriptors: Feature extraction; **Maps** ; Artificial intelligence; **Geographic** information systems; Algorithms
Identifiers: Perceptual grouping; **Symbol** chain tracking; **Digitized** topographic **maps**

16/3,K/9 (Item 2 from file: 8)
DIALOG(R)File 8:EI Compendex(R)
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03558895 E.I. Monthly No: EIM9302-007324
Title: Toward digital geologic map standards: a progress report.
Author: Ulrech, George E.; Reynolds, Mitchell W.; Taylor, Richard B.
Corporate Source: U.S. Geological Survey, Reston, VA, USA
Conference Title: International Symposium on Mapping and Geographic Information Systems
Conference Location: San Francisco, CA, USA Conference Date: 19900621
E.I. Conference No.: 17250
Source: ASTM Special Technical Publication n 1126. Publ by ASTM, Philadelphia, PA, USA. p 18-29
Publication Year: 1992
CODEN: ASTTA8 ISSN: 0066-0558
Language: English

Abstract: Establishing modern scientific and technical standards for geologic **maps** and their derivative map products is vital to both producers and users of such **maps** as we move into an age of digital cartography. Application of earth-science data in complex **geographic** information systems, acceleration of geologic map production, and reduction of population costs require that national...
...designing a comprehensive set of scientific map standards. Three primary issues were: (1) selecting scientific **symbolology** and its **digital** representation; (2) **creating** an appropriate digital coding system that characterizes geologic features with respect to their physical properties
...

...levels of certainty for descriptive as well as measured properties. Approximately 650 symbols for geoscience **maps** , including present usage of the U.S Geological Survey, state geological surveys, industry, and academia
...

Descriptors: INFORMATION RETRIEVAL SYSTEMS; GEOLOGY; MAPPING; STANDARDS; **MAPS** ; EARTH SCIENCES
Identifiers: DIGITAL GEOLOGIC MAP STANDARDS; DIGITAL CARTOGRAPHY; **GEOGRAPHIC** INFORMATION SYSTEM; GEOSCIENCE

16/3,K/10 (Item 3 from file: 8)
DIALOG(R)File 8:EI Compendex(R)
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00851145 E.I. Monthly No: EI7909074642 E.I. Yearly No: EI79090402

Title: PROCEEDINGS OF THE AMERICAN CONGRESS ON SURVEYING AND MAPPING, ANNUAL MEETING, 39TH, 1979.

Author: Anon

Corporate Source: Am Congr on Surv and Mapp, Falls Church, Va
Source: Proc Am Congr Surv Mapp Annu Meet, 39th, Washington, DC, Mar 18-24 1979. Publ by Am Congr on Surv and Mapp, Falls Church, Va, 1979 567 p
Publication Year: 1979

CODEN: ACSMD9

Language: ENGLISH

...Abstract: papers presented at the Meeting; 41 papers are indexed separately. Subjects covered included astronomical positioning, **land** records and resource information systems, surveying education, legal aspects of **land** surveys, short-term methods for determining local tidal datums, coastal zone mapping, **geographic** information retrieval and analysis systems, hydrographic surveys, computer **generated** areal **symbols**, field calibration of **electronic** distance measuring devices, photogrammetric control densification, digital cartographic pilot projects, motorized leveling, map and chart...

Descriptors: SURVEYING; **MAPS** AND MAPPING; SURVEYING INSTRUMENTS; MEASUREMENT ERRORS; COMPUTERS...

Identifiers: **LAND** SURVEYING; GEODESY; ASTRONOMIC POSITIONING; SHORELINE MAPPING; GEOGRAPHY

16/3,K/11 (Item 1 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
(c) 2003 Inst for Sci Info. All rts. reserv.

05491411 Genuine Article#: WC386 No. References: 13

Title: A XERION-BASED PERL PROGRAM TO TRAIN A NEURAL-NETWORK FOR GRID PATTERN-RECOGNITION

Author(s): KAO JJ

Corporate Source: NATL CHIAO TUNG UNIV, INST ENVIRONM
ENGN/HSINCHU30039//TAIWAN/

Journal: COMPUTERS & GEOSCIENCES, 1996, V22, N9 (NOV), P1033-1049

ISSN: 0098-3004

Language: ENGLISH Document Type: ARTICLE (Abstract Available)

...Abstract: the;training burden. Statistical reports such as computation time, learning performance, and validation performance are **generated** automatically by the program. A case study applying the program for training networks to determine a drainage **pattern** from **Digital** Elevation Model data is demonstrated and discussed. Manually determining drainage patterns from topographical **maps** for a grid-based model is tedious and subjective. The neural network has a self...

Research Fronts: 95-1771 001 (DIGITAL ELEVATION MODELS; **LANDSCAPE** LEVEL APPLICATIONS OF A FOREST ECOSYSTEM CLASSIFICATION; WATERSHED CHARACTERISTICS)

95-3652 001 (SPATIAL VARIABILITY; **LANDSCAPE** PLANNING; **GEOGRAPHICAL** DATA; ERROR PROPAGATION MODEL FOR GIS OVERLAY OPERATIONS)

16/3,K/12 (Item 1 from file: 94)

DIALOG(R)File 94:JICST-EPlus

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05221259 JICST ACCESSION NUMBER: 02A0674497 FILE SEGMENT: JICST-E
Computer Security Toward Electronic Society. Digital Watermarking of

Vector Digital Maps .

UEDA HIROO (1); OBUCHI RYUTARO (1); ENDO SHU (2)
(1) Yamanashi Univ., Fac. of Eng.; (2) IBM Japan, Ltd.
Joho Shori Gakkai Ronbunshi (Transactions of Information Processing Society
of Japan), 2002, VOL.43, NO.8, PAGE.2478-2488, FIG.5, TBL.5, REF.22
JOURNAL NUMBER: Z0778AAZ ISSN NO: 0387-5806
UNIVERSAL DECIMAL CLASSIFICATION: 681.3.02-759 681.3:621.397.3
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Original paper
MEDIA TYPE: Printed Publication

**Computer Security Toward Electronic Society. Digital Watermarking of
Vector Digital Maps .**

ABSTRACT: Widespread use of **geographical** information systems prompted the
investigations into protecting intellectual properties of digital **maps**
. This paper proposes a **digital watermarking** algorithm that aims to
protect intellectual properties of vector digital **maps** . A vector
digital map represents **geographical** objects, such as buildings,
contour lines, and streets using such (two-dimensional) geometrical
primitives as...

...average coordinate value of a group of vertices in a rectangular area.
The rectangle is **created** by subdividing the map into rectangular
sub-areas based on the density of geometrical primitives...
...DESCRIPTORS: **geographic** information system

16/3,K/13 (Item 1 from file: 144)

DIALOG(R) File 144:Pascal
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15520834 PASCAL No.: 02-0217898

Validation of a new global 30-min drainage direction map

DOELL Petra; LEHNER Bernhard
Center for Environmental Systems Research, University of Kassel. Kurt
Wolters Strasse 3, 34109 Kassel, Germany
Journal: Journal of hydrology : (Amsterdam), 2002, 258 (1-4) 214-231
Language: English

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Digital drainage direction **maps** are a prerequisite for analyzing the
flow of water on the **land** surface of the Earth. For continental or global
studies, the most appropriate and most frequently...

... map DDM30, a 30' raster map of surface drainage directions, which
organizes the Earth's **land** area into drainage basins and provides the
river network topology. DDM30 was **generated** by first upscaling two
drainage direction **maps** (DDMs) at higher resolutions. The resulting map
was then extensively corrected in an iterative manner by comparison against
vectorized, high resolution river **maps** and other **geographic**
information. Finally, it was co-referenced to the locations of 935 gauging
stations (provided by...

English Descriptors: global; drainage; direction; **maps** ; river discharge;
latitude; drainage basins; rivers; topology; high resolution; gauging;
runoff; drainage **patterns** ; **digital** elevation models; algorithms;
surface water

16/3,K/14 (Item 2 from file: 144)
DIALOG(R)File 144:Pascal
(c) 2003 INIST/CNRS. All rts. reserv.

13261231 PASCAL No.: 97-0533245
A distributed approach for sediment yield evaluation in Alpine regions
BEMPORAD G A; ALTERACH J; AMIGHETTI F F; PEVIANI M; SACCARDO I
ISMES S.p.A., V. le G. Cesare 29, 24100, Bergamo, Italy; ENEL
S.p.A.-DSR-CRIS, Corso del Popolo 245, 30174 (VE), Mestre, Italy
Journal: Journal of hydrology : (Amsterdam), 1997, 197 (1-4) 370-392
Language: English Summary Language: English

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... budget and prediction of the sediment yield in Alpine catchments is presented. The strongly variable **landscape** typical of Alpine regions was schematically represented through a raster of square cells. The hydrological...

...Alpine catchment was selected to validate the model. A catchment digital terrain model (DTM) was **created** through an automatic treatment of the catchment contour lines, selected stream lines, and soil and vegetation cover **maps**. Water and sediment routing to the catchment outlet was performed by integrating simplified versions of...

English Descriptors: mathematical models; digital simulation; water balance ; sediments; drainage basins; alluvium; Italian Alps; **digital** terrain models; drainage **patterns** ; soils; vegetation; atmospheric precipitation ; mass balance; temperature; calibration; monthly average; discharge

16/3,K/15 (Item 1 from file: 483)
DIALOG(R)File 483:Newspaper Abs Daily
(c) 2003 ProQuest Info&Learning. All rts. reserv.

06807119 SUPPLIER NUMBER: 112067099
Online: **Chart topper: Don't worry about getting lost or mugged with a new smart map. Just watch out for the marketers.**
Schofield, Jack
Guardian, p ONLINE.1
Mar 28, 2002
ISSN: 0261-3077 NEWSPAPER CODE: MG
DOCUMENT TYPE: Commentary; Newspaper article
LANGUAGE: English RECORD TYPE: ABSTRACT

...ABSTRACT: to make it cost effective." In the UK, Ordnance Survey has already re-engineered its **maps** to **create** a national, digital MasterMap with more than 400m computer- friendly 16- **digit identifiers**, according to OS's director general, Vanessa Lawrence. These "topographic identifiers" or "toids" enable different...

...has nine layers or themes," she says, "such as water and roads. We're doing [**satellite**] **imagery** and a points of interest database, and three more layers this year. You can buy **maps** by area and by theme, so you are always being charged by the toid." Of...

...barely visible in the UK because it does not have an adequate selection of local **maps** and data. That will start to appear next week, preparing the way for a UK...

?

20/3,K/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

7449076 INSPEC Abstract Number: B2002-12-6135-241, C2002-12-5260B-342

Title: Adaptive color watermarking

Author(s): Reed, A.M.; Hannigan, B.T.

Author Affiliation: Digimarc Corp., Tualatin, OR, USA

Journal: Proceedings of the SPIE - The International Society for Optical
Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA)
vol.4675 p.222-9

Publisher: SPIE-Int. Soc. Opt. Eng,

Publication Date: 2002 Country of Publication: USA

CODEN: PSISDG ISSN: 0277-786X

SICI: 0277-786X(2002)4675L:222:ACW;1-O

Material Identity Number: C574-2002-232

U.S. Copyright Clearance Center Code: 0277-786X/02/\$15.00

Conference Title: Security and Watermarking of Multimedia Contents IV

Conference Sponsor: IS&T; SPIE

Conference Date: 21-24 Jan. 2002 Conference Location: San Jose, CA,
USA

Language: English

Subfile: B C

Copyright 2002, IEE

Abstract: In **digital watermarking**, a major aim is to insert the
maximum possible watermark signal while minimizing visibility. Many...

... the colors least visible to the human visual system, while minimizing
the changes in the **image** hue. We develop a system that takes advantage of
the low sensitivity of the human...

... changes along the yellow-blue axis, to place most of the watermark in
the yellow **component** of the **image**. We also describe how watermark
detection can potentially be enhanced, by using a priori knowledge of this
embedding system to intelligently examine possible watermarked **images**.

...Descriptors: **image** colour analysis

...Identifiers: **digital watermarking**; ...

... **Digimarc**

20/3,K/2 (Item 1 from file: 8)

DIALOG(R)File 8:EI Compendex(R)

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06192987 E.I. No: EIP02457190428

Title: On the use of web cameras for watermark detection

Author: Stach, John; Brundage, Trent; Hannigan, Brett; Bradley, Brett;
Kirk, Tony; Brunk, Hugh

Corporate Source: Digimarc Corp., Tualatin, OR 97062, United States

Conference Title: Security and Watermarking of Multimedia Contents IV

Conference Location: San Jose, CA, United States Conference Date:
20020121-20020124

E.I. Conference No.: 60165

Source: Proceedings of SPIE - The International Society for Optical
Engineering v 4675 2002. p 611-620

Publication Year: 2002

CODEN: PSISDG ISSN: 0277-786X

Language: English

...Abstract: novel techniques, theoretical studies, attacks, and analyses have been published recently in the field of **digital watermarking**. In the interest of expanding commercial markets and applications of watermarking, this paper is **part** of a series of papers from **Digimarc** on practical issues associated with commercial watermarking applications. In this paper we address several practical...

Descriptors: **Digital watermarking**; World Wide Web; Cameras; **Image** processing; Electronic publishing; Multimedia systems; Charge coupled devices; Lenses

20/3,K/3 (Item 1 from file: 248)

DIALOG(R)File 248:PIRA

(c) 2003 Pira International. All rts. reserv.

00483600 Pira Acc. Num.: 20085187

Title: The FlashPix architecture

Authors: Anon

Source: Digital Publ. Technol. vol. 2, no. 4, Apr. 1997, pp 19-20

ISSN: 1365-067X

Publication Year: 1997

Document Type: Journal Article

Language: English

Abstract: A description is presented of the FlashPix **image** -file format, and developments to the FlashPix architecture are discussed. FlashPix supports **images** of any size, which it stores at multiple independent resolutions. FlashPix allows a user to zoom in on a small **section** in an **image** without pixellation or high bandwidth consumption. The benefits of the FlashPix initiative are examined, and the **Imaging** for Internet initiative that grew out of the FlashPix initiative is also discussed. Products that are based on the **Imaging** for Internet framework are described, including Live **Picture** 's RealSpace **Image** Server, Microsoft **PictureIt** !, Live **Picture** 2.6 and **Digimarc** 's new **digital watermarking** technology. A separate **section** reviews the Internet **Imaging** protocol.

Company Names: Live **Picture** ; ...

... **Digimarc** Corp

...Trade Names: RealSpace **Image** Server...

... **PictureIt** ; ...

...Live **Picture**

Descriptors: DIGITAL **IMAGE** ; ...

...DIGITAL **IMAGING** ; ...

... DIGITAL **WATERMARK** ; ...

... **IMAGE** ; ...

... **IMAGING** ;

Section Headings: **Image** Capture and Processing (8241)

20/3,K/4 (Item 2 from file: 248)

DIALOG(R)File 248:PIRA

(c) 2003 Pira International. All rts. reserv.

00477329 Pira Acc. Num.: 20079201

Title: More graphics software supports PictureMarc

Authors: Anon

Source: Digital Publ. Technol. vol. 2, no. 3, Mar. 1997, p. 5

ISSN: 1365-067X

Publication Year: 1997

Document Type: Journal Article

Language: English

Title: More graphics software supports PictureMarc

Abstract: A brief description is given of the growing support for **Digimarc** 's new watermarking technology. **Digimarc** already has licensing agreements with major vendors such as Adobe, Extensis and Corel, and the latest licensee is Micrografx. The new technology, called **PictureMarc**, is placed throughout the **image**, but it has no impact on its commercial or creative value. Details of **PictureMarc** are provided, and the benefits of the new technology are discussed. If a watermarked **image** is scanned or opened in a tool supporting **PictureMarc**, the user is notified of the watermark. The reader will be freely available on the Internet. Micrografx has bundled **PictureMarc** as **part** of its World Wide Web **graphics** editing program, Webtricity. (Short article)

...Company Names: **Digimarc** Corp

Trade Names: **PictureMarc** ;

...Descriptors: **DIGITAL WATERMARK ; ...**

... **GRAPHICS ;**

?

24/3,K/1 (Item 1 from file: 8)
DIALOG(R)File 8:EI Compendex(R)
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05890546 E.I. No: EIP01386652855

Title: UMID watermarking for managing metadata in content production
Author: Pelly, J.; Tapson, D.; Stone, J.; Keating, S.
Corporate Source: Sony Broadcast and Prof. Europe, Basingstoke, Hampshire
RG22 4SB1, United Kingdom
Source: SMPTE Journal v 110 n 7 July 2001. p 429-435
Publication Year: 2001
CODEN: SMPJDF ISSN: 0036-1682
Language: English

Title: UMID watermarking for managing metadata in content production
Abstract: Watermarking is a technique for embedding data within **images** or audio and is best known in copyright protection. This paper explains how watermarking can...

...material to enable tracking throughout the production chain. As the UMID is embedded into the **image** itself, it cannot be separated and then lost. It is embedded at the point of acquisition and enables **linking** of video material to its associated **metadata** for rights tracking, technical information, or added-value data services in digital broadcasting. In order...

Descriptors: **Digital watermarking** ; **Image** compression; Video signal processing; Data acquisition; **Image** quality; **Metadata** ; Error correction ; **Image** coding; Content based retrieval; Broadcasting

24/3,K/2 (Item 1 from file: 248)
DIALOG(R)File 248:PIRA
(c) 2003 Pira International. All rts. reserv.

00529416 Pira Acc. Num.: 20131163

Title: Maximising the value and impact of publishing assets through effective content management, London, UK, 29-30 September 1998
Authors: Anon
Source: Leatherhead, UK: Pira International, 1998, #95.00
(655.4:658) (R4621)
Publication Year: 1998
Document Type: Conference Publication
Language: English

...Abstract: from McGraw Hill, Financial Times, Academic Press, Institute of Physics Publishing, Reuters, Butterworths, HarperCollins, Getty **Images**, IPC Magazines, Macmillan, Music Choice, **Connected** Publications, John Wiley and Sons, and Sweet and Maxwell. Topics covered include branding content, building a portfolio, copyright, print production, workflow management, direct marketing, **digital object identifiers**, asset trading initiatives in Europe, **metadata**, extensible mark up language, and management structures for multimedia publishing. Software from Vignette and British...

...Descriptors: **DIGITAL OBJECT IDENTIFIER** ;
?

File 344:Chinese Patents Abs Aug 1985-2003/Mar
(c) 2003 European Patent Office
File 347:JAPIO Oct 1976-2003/Feb(Updated 030603)
(c) 2003 JPO & JAPIO
File 350:Derwent WPIX 1963-2003/UD,UM &UP=200342
(c) 2003 Thomson Derwent

? ds

Set	Items	Description
S1	9447	(DIGIT? OR ELECTRONIC?) (3N) (WATERMARK? OR WATER()MARK? OR - MARKER? OR MARKING? OR SYMBOL? OR STENCIL? OR PATTERN? OR FIN- GERPRINT? OR IDENTIFIER?)
S2	1693	MAPS AND (GENERAT? OR CREAT? OR COMPIL?)
S3	51311	GEOGRAPHIC? OR LAND OR LANDSCAPE
S4	1609443	IMAG? OR PICTURE? OR GRAPHIC? OR PHOTO?? OR PHOTOGRAPH??
S5	655891	S4 AND (PORTION? OR PARTS OR PART OR SECTION? OR SECTORS OR COMPONENT? OR SEGMENT? OR PIECE?? OR FRAGMENT?)
S6	5037	(SPACE()SHUTTLE OR AERIAL OR AIRPLANE OR SPOT OR SATELLITE-) (3N)S4
S7	3742847	LINK? OR CONNECT? OR ENCOD?
S8	390	(METADATA OR META()DATA OR HEADER()DATA) AND S7
S9	118	AU=(RHOADS G? OR RHOADS, G?)
S10	36	S1 AND S9
S11	0	S10 AND S2
S12	1	S10 AND S6
S13	1335754	IC=(H04L? OR G09G? OR G06F?)
S14	730	S1 AND S4 AND S13
S15	1	S14 AND S8
S16	1	S15 NOT S12
S17	9	S1 AND S6
S18	2	S17 AND S7
S19	2	S18 NOT (S15 OR S12)
S20	6	S17 NOT (S18 OR S15 OR S12)
S21	79	S1 AND S4 AND S7 AND (AUTHOR OR ARTIST OR CREATOR OR OWNER OR COPYRIGHT)
S22	0	S21 AND HEADER
S23	0	S21 AND METADATA
S24	19	S21 AND S13
S25	19	S24 NOT (S17 OR S18 OR S15 OR S12)
S26	13	S25 NOT AD=20010417:2003073

12/3,K/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014816156 **Image available**
WPI Acc No: 2002-636862/200268
Related WPI Acc No: 2002-508021; 2003-090293
XRPX Acc No: N02-503105

Digital watermarking process for use with map data, e.g. acquired by satellite and other sensors uses GPS information to compare with information extracted from image

Patent Assignee: LOFGREN N E (LOFG-I); RHOADS G B (RHOA-I); CLEMENTS L (CLEM-I); LOFGREN N A (LOFG-I); PATTERSON P R (PATT-I); BRUNDAGE T J (BRUN-I); LOFGREN N (LOFG-I); HEIN W C (HEIN-I); MACLNTOSH B T (MACL-I); SEDER P A (SEDE-I); LOWE B D (LOWE-I); MCKINLEY T J (MCKI-I); ANGLIN H W (ANGL-I); BRUNK H L (BRUN-I); CATTONE J (CATT-I); HUDSON E C (HUDS-I); JONES K C (JONE-I); LEVY K L (LEVY-I); PERRY B W (PERR-I); STEWART S W (STEW-I); DIGIMARC CORP (DIGI-N)

Inventor: LOFGREN N E; **RHOADS G B**; CLEMENTS L; LOFGREN N A; PATTERSON P R; BRUNDAGE T J; LOFGREN N; HEIN W C; MACLNTOSH B T; SEDER P A; LOWE B D; MCKINLEY T J; ANGLIN H W; BRUNK H L; CATTONE J; HUDSON E C; JONES K C; LEVY K L; PERRY B W; STEWART S W; CLEMENTS L R

Number of Countries: 100 Number of Patents: 009

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200271685	A1	20020912	WO 2002US6858	A	20020305	200268 B
US 20020147910	A1	20021010	US 2001833013	A	20010410	200269
US 20020122564	A1	20020905	US 2001800093	A	20010305	200270
			US 2001284163	P	20010416	
			US 2001284776	P	20010418	
			US 20012954	A	20011123	
US 20020124024	A1	20020905	US 2001800093	A	20010305	200270
			US 2001284163	P	20010416	
			US 2001284776	P	20010418	
			US 2001858336	A	20010515	
US 20020135600	A1	20020926	US 2001800093	A	20010305	200270
			US 2001997400	A	20011128	
US 20020154144	A1	20021024	US 2001284776	P	20010418	200273
			US 2001858336	A	20010515	
			US 2002100233	A	20020313	
US 20020176003	A1	20021128	US 2000697009	A	20001025	200281
			US 2001284163	P	20010416	
			US 2002121433	A	20020411	
US 20030012569	A1	20030116	US 2001284163	P	20010416	200308
			US 2002121435	A	20020411	
US 20030032033	A1	20030213	US 2001284163	P	20010416	200314
			US 2002122141	A	20020412	

Priority Applications (No Type Date): US 2001997400 A 20011128; US 2001800093 A 20010305; US 2001833013 A 20010410; US 2001284163 P 20010416; US 2001284776 P 20010418; US 2001858336 A 20010515; US 20012954 A 20011023; US 2002100233 A 20020313; US 2000697009 A 20001025; US 2002121433 A 20020411; US 2002121435 A 20020411; US 2002122141 A 20020412

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
WO 200271685 A1 E 62 H04L-009/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
 IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW

US 20020147910 A1 H04L-009/00
 US 20020122564 A1 G06K-009/00 CIP of application US 2001800093
 Provisional application US 2001284163
 Provisional application US 2001284776

US 20020124024 A1 G06F-017/00 CIP of application US 2001800093
 Provisional application US 2001284163
 Provisional application US 2001284776

US 20020135600 A1 G09G-005/00 CIP of application US 2001800093
 US 20020154144 A1 G06F-007/00 Provisional application US 2001284776

US 20020176003 A1 G06F-009/00 CIP of application US 2001858336
 CIP of application US 2000697009
 Provisional application US 2001284163

US 20030012569 A1 G03B-017/24 Provisional application US 2001284163

US 20030032033 A1 C12Q-001/68 Provisional application US 2001284163

Digital watermarking process for use with map data, e.g. acquired by
 satellite and other sensors uses...

...Inventor: RHOADS G B

Abstract (Basic):

... 1) An apparatus to read digital watermarks embedded within a
 map...

...Enables improved management and coordination of huge amounts of aerial
 imagery .

16/3,K/1 (Item 1 from file: 350)
DIALOG(R) File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

015267985 **Image available**
WPI Acc No: 2003-328914/200331
XRPX Acc No: N03-263065

**Digital content reproduction apparatus e.g. for multimedia contents,
acquires pertinent metadata from server, using address of metadata
obtained using pointer information included in digital contents**

Patent Assignee: IBM CORP (IBMC); INT BUSINESS MACHINES CORP (IBMC)

Inventor: NAGAO K

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020194480	A1	20021219	US 2002141265	A	20020507	200331 B
JP 2002351878	A	20021206	JP 2001149991	A	20010518	200340

Priority Applications (No Type Date): JP 2001149991 A 20010518

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20020194480	A1	21	H04L-009/00	
JP 2002351878	A	16	G06F-017/30	

**Digital content reproduction apparatus e.g. for multimedia contents,
acquires pertinent metadata from server, using address of metadata
obtained using pointer information included in digital contents**

Abstract (Basic):

... An index information generator (34) is **connected to metadata** server (20) through a network (40), when pointer information indicating location of **metadata** in the obtained digital contents, is detected. The generator employs the address of **metadata**, to request and acquire the pertinent **metadata** from the server, and also compares the scene IDs embedded in obtained **metadata**, to acquire scene ID for each of the scenes in the contents.

... 3) **Metadata** management method...

...4) **Digital watermark** embedding method...

...6) **Digital watermark** embedding program...

...8) Recorded medium storing **metadata** management program; and...

...For management of digital contents such as multimedia contents, and **metadata**. Also for management of music contents, static **picture** contents, etc...

...The **metadata** corresponding to the contents can be accurately obtained, even from the contents that have been denied, since the pointer information for the **metadata** is embedded using a method for inhibiting the deletion of data...

... **Metadata** server (20

International Patent Class (Main): G06F-017/30 ...

... H04L-009/00

International Patent Class (Additional): G06F-013/00 ...

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19/3,K/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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007609828 **Image available**
WPI Acc No: 1988-243760/198835
XRPX Acc No: N88-185456

Half-tone dot image recording appts. - uses high density screen pattern signal, digital image data and photosensitive material

Patent Assignee: DAINIPPON SCREEN MFG CO LTD (DNIS); DAINIPPON SCREEN SEIZO KK (DNIS)

Inventor: SHIMANO N

Number of Countries: 005 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 280267	A	19880831	EP 88102708	A	19880224	198835 B
JP 63212273	A	19880905	JP 8746496	A	19870227	198841
US 4912568	A	19900327	US 88160155	A	19880225	199018
EP 280267	B1	19920513	EP 88102708	A	19880224	199220
DE 3870917	G	19920617	DE 3870917	A	19880224	199226
			EP 88102708	A	19880224	

Priority Applications (No Type Date): JP 8746496 A 19870227

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 280267 A E 30

Designated States (Regional): DE FR GB

EP 280267 B1 E 36 H04N-001/40

Designated States (Regional): DE FR GB

DE 3870917 G H04N-001/40 Based on patent EP 280267

... uses high density screen pattern signal, digital image data and photosensitive material

...Abstract (Basic): the light beam is modulated in each element area which is smaller than a light spot dia.. Digital image data (So) which contain image information to be recorded are entered into a half-tone signal generating circuit (1) producing an exposure output signal (S). This generating circuit is connected to a microcomputer (2) having a c.p.u. (3) and a memory (4). This...

19/3,K/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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003273753
WPI Acc No: 1982-C1737E/198208

Write and edit circuitry - is for electronic marking of displayed TV signal images using video overlay device connected to marker

Patent Assignee: ELECTRONIC DEVICES (ELDE-N); MEASURONICS CORP (MEAS-N)

Inventor: SCHUMACHER P M

Number of Countries: 003 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4315282	A	19820209				198208 B
ZA 8106250	A	19820728				198242
CA 1173179	A	19840821				198438

Priority Applications (No Type Date): US 80186392 A 19800911

Patent Details:

Patent No	Kind	Lang	Pg	Main IPC	Filing Notes
US 4315282	A		13		

... is for electronic marking of displayed TV signal images using
video overlay device connected to marker

...Abstract (Basic): distance made electronically. For the study and
analysis of hard copy images, i.e. still **photographs**, **aerial** maps,
x-rays and the like, an auxiliary system camera can be used which
projects...

...Title Terms: **CONNECT** ;

?

20/3,K/1 (Item 1 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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014494892 **Image available**
WPI Acc No: 2002-315595/200235
XRAM Acc No: C02-091917
XRPX Acc No: N02-246971

Processing of visual information from image of 2-dimensional electrophoresis gel by having master pattern in digital form, scanning the image and comparing it with information from master pattern, and outputting numeric data

Patent Assignee: LARGE SCALE PROTEOMICS CORP (LARG-N); TAYLOR J (TAYL-I)
Inventor: TAYLOR J

Number of Countries: 097 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200219257	A1	20020307	WO 2001US26837	A	20010829	200235 B
US 6404905	B1	20020611	US 2000653363	A	20000831	200244
AU 200188465	A	20020313	AU 200188465	A	20010829	200249
US 20020114501	A1	20020822	US 2000653363	A	20000831	200258
			US 2002127536	A	20020423	

Priority Applications (No Type Date): US 2000653363 A 20000831; US 2002127536 A 20020423

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
WO 200219257	A1	E 32	G06K-009/00	
Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW				
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW				
US 6404905	B1		G06K-009/00	
AU 200188465	A		G06K-009/00	Based on patent WO 200219257
US 20020114501	A1		G06K-009/00	Cont of application US 2000653363 Cont of patent US 6404905

Processing of visual information from image of 2-dimensional electrophoresis gel by having master pattern in digital form, scanning the image and comparing it with information from master pattern, and outputting numeric...

Abstract (Basic):

... from an image of a 2-dimensional electrophoresis gel is processed by having a master **pattern** in **digital** form, scanning the image to convert it from visual information into digital form, comparing the...

... mechanism for inputting data and scanning images. The apparatus is configured to process a master **pattern** in **digital** form, scanning an image, fitting information from the master pattern to information in the scanned...

Technology Focus:

... creating an object pattern from the scanned image or an image derived from the scanned **image**, matching **spot** data in the master pattern with spots represented in the object pattern, warping the master...

...pattern, the new object pattern is fitted to a processed image based

upon the scanned **image** bringing each **spot** in the new object pattern into more precise alignment with the spots in the scanned...

...pattern present in the processed image is replaced with size and width of each corresponding **spot** in the processed **image**. The outputting step comprises outputting spot specific data which comprises an indication of presence of...

...found in the master pattern, x-widths and y-widths of spots in the scanned **image**, master **spot** numbers for at least a portion of the spots in the scanned image, amplitude of...

20/3,K/2 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013465052 **Image available**

WPI Acc No: 2000-636995/200061

Related WPI Acc No: 2000-637009

XRPX Acc No: N00-472293

Masking process simulation method for use in semiconductor processing field, has process simulator for producing modified aerial image, based on error database obtained by comparing initial and secondary database

Patent Assignee: LSI LOGIC CORP (LSIL-N)

Inventor: CHAO K K; GARZA M

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6078738	A	20000620	US 97853155	A	19970508	200061 B

Priority Applications (No Type Date): US 97853155 A 19970508

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

US 6078738 A 14 G06F-017/50

... **process simulation method for use in semiconductor processing field, has process simulator for producing modified aerial image, based on error database obtained by comparing initial and secondary database**

Abstract (Basic):

... Input information is supplied to process simulator to produce **aerial image**. The initial database is generated. The pattern on semiconductor substrate is produced. A secondary database...

... Process simulator is configured to receive input information which comprises **digital** representation of **patterned** mask and data set. Each element of data sets corresponds to a parameter associated with masking process. The simulator is further configured to produce **aerial image** based on input information in which the **aerial image** represents the simulators estimation of pattern that would be produced by masking process using **patterned**...

...under conditions specified by the data set. Input information is supplied to simulator to produce **aerial image**. Initial database is generated comprising digital representation of **aerial image**. The pattern on semiconductor substrate is produced using masking process and **patterned** mask under the...

...is modified based on the error database to minimize the difference

between successive iteration of **aerial image** and the pattern...

...Improves masking process and computerized image is designed to estimate the pattern. The **aerial image** is digitized and scanned such that images are capable of being compared accurately...

20/3,K/3 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

011562817 **Image available**
WPI Acc No: 1997-539298/199750
XRPX Acc No: N97-448859

CCD array imaging system for use in confocal scanning microscopy - has serial register for recording successive rows of storage array for read-out, while CCD controller shifts charges within CCD array
Patent Assignee: HEWLETT-PACKARD CO (HEWP); AGILENT TECHNOLOGIES INC (AGIL-N)

Inventor: SAMPAS N M

Number of Countries: 002 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2313512	A	19971126	GB 978096	A	19970422	199750 B
US 5900949	A	19990504	US 96652873	A	19960523	199925
US 6084991	A	20000704	US 96652873	A	19960523	200036
			US 99271053	A	19990317	
GB 2313512	B	20000726	GB 978096	A	19970422	200037

Priority Applications (No Type Date): US 96652873 A 19960523; US 99271053 A 19990317

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2313512	A		24	H04N-003/15	
US 5900949	A			H04N-003/14	
US 6084991	A			H04N-003/14	Cont of application US 96652873
GB 2313512	B			H04N-003/15	

...Abstract (Basic): unmasked imaging row (34) of pixels for receiving and recording a scan image as an **electronic pattern** of charges. A masked storage array (36) has rows and columns of pixels for receiving ...

...filtering device includes e.g. a first operative state of the array, in which an **image** of a beam **spot** on a sample scan axis is received and recorded on a pixel of the imaging...

20/3,K/4 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX
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010135901 **Image available**
WPI Acc No: 1995-037152/199506
XRPX Acc No: N95-029408

Recording weather satellite signals - selecting images to be recorded by comparison of entered identities with identities in temporarily stored received signals

Patent Assignee: GRUNDIG EMV (GRUG)
Inventor: ZIEGLER C

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 4321119	A1	19950105	DE 4321119	A	19930625	199506 B
DE 4321119	C2	19950518	DE 4321119	A	19930625	199524

Priority Applications (No Type Date): DE 4321119 A 19930625

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 4321119	A1		5	G01W-001/00	
DE 4321119	C2		5	G01W-001/00	

...Abstract (Basic): images to be recorded are selected by entering an identification. The start of the weather **satellite image** signal is detected and the signal is temporarily stored. The identification signal forming part of...

...identifications are entered, and a device which evaluates the control signals contained in the weather **satellite image** signals...

...Abstract (Equivalent): An arrangement for recording weather **satellite image** signals, which enables selection of the images to be recorded, contains a recording device with...

...The control unit evaluates a **digital identifier** signal in the image signal and ends the recording at the end of a stop...

20/3,K/5 (Item 5 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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004629148

WPI Acc No: 1986-132491/198621

XRPX Acc No: N86-097975

Real time three-dimensional active vision sensor system - scans light beam across surface of object to be range mapped and changes light beam angle relative to reference

Patent Assignee: HONEYWELL INC (HONE)

Inventor: HAUGEN P R

Number of Countries: 004 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 181553	A	19860521	EP 85113656	A	19851026	198621 B
US 4593967	A	19860610	US 84667312	A	19841101	198626
EP 181553	B	19890308				198910
DE 3568634	G	19890413				198916

Priority Applications (No Type Date): US 84667312 A 19841101

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 181553	A	E	15		

Designated States (Regional): DE FR GB

EP 181553 B E

Designated States (Regional): DE FR GB

...Abstract (Equivalent): spot to provide a digital output signal which is representative of the position of the **image** of said illuminated **spot** on said detector (33); and c) electronic means for converting by triangulation signals representing the...

...Abstract (Equivalent): diffraction grating. Each facet is rotated

through the laser beam to produce an entire raster **pattern** . The
precessing **electronics** includes look-up tables in memory and
arithmetic logic for converting instantaneous angle values to...

20/3,K/6 (Item 6 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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000966469

WPI Acc No: 1973-43731U/197331

Identification of container produced by a mould - using indicia on
container bottom which produces spot image when illuminate

Patent Assignee: OWENS-ILLINOIS INC (OWEI)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 3745314	A					197331 B

Priority Applications (No Type Date): US 71154473 A 19710618

... using indicia on container bottom which produces spot image when
illuminate

...Abstract (Basic): container onto an image plane to produce the dark
spots on the image plane, (4) **electronically** reading the **pattern** to
provide an output which can be decoded to identify the mould.

?

26/3,K/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

07248886 **Image available**
ELECTRONIC COMMERCIAL TRANSACTION SYSTEM, ELECTRONIC COMMERCIAL TRANSACTION
METHOD, MANAGEMENT DEVICE AND RECORDING MEDIUM

PUB. NO.: 2002-117343 [JP 2002117343 A]
PUBLISHED: April 19, 2002 (20020419)
INVENTOR(s): MORIYA HIDEKAZU
APPLICANT(s): NEC COMMUN SYST LTD
APPL. NO.: 2000-308704 [JP 2000308704]
FILED: October 10, 2000 (20001010)

INTL CLASS: G06F-017/60 ; G06T-001/00; H04N-001/00; H04N-001/387;
H04N-001/40

ABSTRACT

... for controlling the electronic commercial transaction and a terminal 2 used by the user are **connected** through a network N, and the electric commercial transaction is conducted between the control device 1 and the terminal 2. The control device 1 is provided with an **image** processing part 3 for **image** -processing the transaction-related documents to be prepared for the electronic commercial transaction and producing an **image** data, a **digital watermark** processing part 4 for invisibly burying transaction content data including individual information on the user in the **image** data produced by the **image** processing part 3 and producing **digital watermark** processed transaction-related paper data, and a communication part 5 for transmitting the **electronic watermark** processed transaction-related paper data produced by the watermark processing part 4 to the terminal 2 through the network N.

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26/3,K/2 (Item 2 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

07205195 **Image available**
INFORMATION SERVICE SYSTEM

PUB. NO.: 2002-073618 [JP 2002073618 A]
PUBLISHED: March 12, 2002 (20020312)
INVENTOR(s): KATSURA TAKUJI
YOSHIMURA TETSUYA
INOUE TAKASHI
APPLICANT(s): MATSUSHITA ELECTRIC IND CO LTD
APPL. NO.: 2000-266819 [JP 2000266819]
FILED: September 04, 2000 (20000904)

INTL CLASS: G06F-017/30 ; G06F-017/60 ; G06T-001/00; H04N-001/387;
H04N-007/08; H04N-007/081

ABSTRACT

PROBLEM TO BE SOLVED: To specify an **image** group including a distributed **image** even from one piece of the **image** without additional information such as the **image** ID of the **image** in an information service system.

SOLUTION: This system consists of a server **connected** to a network, an **electronic watermark** part for reading **electronic watermark** data embedded in data received by the server as an **electronic watermark**, and a database part that can store and retrieve data corresponding to the **electronic watermark** data read by the **electronic watermark** part.

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26/3,K/3 (Item 3 from file: 347)

DIALOG(R)File 347:JAPIO

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07092912 **Image available**

IMAGE PROCESSOR AND SYSTEM, AND THEIR METHODS

PUB. NO.: 2001-320568 [JP 2001320568 A]

PUBLISHED: November 16, 2001 (20011116)

INVENTOR(s): TAKARAGI YOICHI

APPLICANT(s): CANON INC

APPL. NO.: 2000-133804 [JP 2000133804]

FILED: May 02, 2000 (20000502)

IMAGE PROCESSOR AND SYSTEM, AND THEIR METHODS

INTL CLASS: ...B41J-029/38; G06T-001/00; G09C-005/00; G10L-017/00;
G10L-015/00; **H04L-009/32** ; H04N-001/40; H04N-001/44;
H04N-005/76; H04N-005/91

ABSTRACT

PROBLEM TO BE SOLVED: To authenticate a user on an **image** forming device side and to also obtain a printed matter with which the user can be specified.

SOLUTION: In this system where a computer and a printer are **connected** in a communicable way, the computer extracts the characteristic quantity of a sound (201a) for...

...sound characteristic quantity data representing the user is superimposed on the transmitted print data as **electronic watermark** data (202f).

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26/3,K/4 (Item 4 from file: 347)

DIALOG(R)File 347:JAPIO

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06974498 **Image available**

VIDEO PROCESSING SYSTEM AND VIDEO STORAGE DEVICE

PUB. NO.: 2001-202069 [JP 2001202069 A]

PUBLISHED: July 27, 2001 (20010727)

INVENTOR(s): MIYASAKA HIDEKI
FUJIYAMA TAKEHIKO
YOSHIDA KANAME

APPLICANT(s): FUJITSU LTD

APPL. NO.: 2000-011570 [JP 200011570]

FILED: January 20, 2000 (20000120)

INTL CLASS: **G09G-005/00** ; **G09G-005/391** ; **G09G-005/36** ; H04N-007/18

ABSTRACT

PROBLEM TO BE SOLVED: To prevent a **picture** from being disordered at the time of video switching.

SOLUTION: A digital video generating means...

... analog to digital to generate digital video. A digital video storage means 12 stores the **digital** video. A fixed **pattern** video output control means 13 outputs fixed pattern video in an unstable operation period of...

... 11 accompanying the switching of the input video and cancels the output of the fixed **pattern** video when the **digital** video generating means 11 enters stable operation. An **encoding** control means 14 **encodes** the **digital** video or fixed **pattern** video read out of the digital video storage means 12 to generate **encoded** video. A decoding control means 21 decodes the **encoded** video to generate decoded video. A display control means 22 performs display control over the **encoded** video.

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26/3,K/5 (Item 5 from file: 347)
DIALOG(R)File 347:JAPIO
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06730239 **Image available**
INFORMATION PROCESSOR, INFORMATION PROCESSING SYSTEM, INFORMATION
PROCESSING METHOD AND STORAGE MEDIUM

PUB. NO.: 2000-316083 [JP 2000316083 A]
PUBLISHED: November 14, 2000 (20001114)
INVENTOR(s): IWAMURA KEIICHI
APPLICANT(s): CANON INC
APPL. NO.: 11-122982 [JP 99122982]
FILED: April 28, 1999 (19990428)

INTL CLASS: H04N-001/387; G06F-011/10 ; G06F-012/14 ; G09C-005/00

ABSTRACT

PROBLEM TO BE SOLVED: To extract a highly reliably **electronic watermark** even if various processings containing an artificial attack is executed on data where the **electronic watermark** is buried by using an error correction code adjusted to an information processing assumed to be applied to additional information by an **encoding** means.

SOLUTION: Information 1 on **copyright** information and user information is **encoded** with coalition attack resistance by using a one directional error correction code and an **electronic watermark** is buried in **encoding** information. The burying method is not specified but key information containing a burying position is used for a designated original **picture** and **encoding** information is buried in a frequency area and a spatial area. Then, a **picture** to which the **electronic watermark** is added is generated. The **electronic watermark** corresponding to the **electronic watermark** burying means of a drawing is extracted from obtained **electronic watermark** information. Even if extracted information is coalition-attacked, information **encoded** by coalition attack resistance is corrected by coalition attack decoding using the one directional error correction **encoding** processing and information 1 is taken out.

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26/3,K/6 (Item 6 from file: 347)
DIALOG(R)File 347:JAPIO
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06529794 **Image available**
INFORMATION PROCESSOR CAPABLE OF MAKING **ELECTRONIC WATERMARK** AND
COMMUNICATION NETWORK CAPABLE OF ACCEPTING **CONNECTION** OF THE INFORMATION
PROCESSOR

PUB. NO.: 2000-115517 [JP 2000115517 A]
PUBLISHED: April 21, 2000 (20000421)
INVENTOR(s): NAITO KIKUO
NOGUCHI TOSHIYUKI
APPLICANT(s): CANON INC
APPL. NO.: 10-284118 [JP 98284118]
FILED: October 06, 1998 (19981006)

INFORMATION PROCESSOR CAPABLE OF MAKING **ELECTRONIC WATERMARK** AND
COMMUNICATION NETWORK CAPABLE OF ACCEPTING **CONNECTION** OF THE INFORMATION
PROCESSOR

INTL CLASS: H04N-001/387; **G06F-013/00** ; G09C-005/00

ABSTRACT

PROBLEM TO BE SOLVED: To protect the **copyright** of data according to the purpose of the data whose **copyright** is to be protected by instructing timing when an electronic mark is provided to the data by means of an **electronic watermark** means and optionally setting the timing to each of data stored in a timing storage means.

SOLUTION: Provision processing of an **electronic watermark** is applied to a print use original **image**. First watermark management information whose purpose is 'printed original **image**' and whose provision timing is 'at registration' is read from data of a corresponding **image** ID is read from a watermark information management table 717 and stored in a RAM. The provision of the **electronic watermark** is requested by giving/receiving an address of the read **image** in the RAM, the stored watermark management information and an output destination after the watermark is given to/from a watermark means 706. The watermark means 706 provides the **electronic watermark** to the received **image** according to the received watermark management information and a print **image** registration means 704 outputs the **image** after the **electronic watermark** is received to an instructed RAM.

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26/3,K/7 (Item 7 from file: 347)
DIALOG(R)File 347:JAPIO
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06474155 **Image available**
METHOD FOR RECORDING **ELECTRONIC WATERMARK** INFORMATION

PUB. NO.: 2000-059730 [JP 2000059730 A]
PUBLISHED: February 25, 2000 (20000225)
INVENTOR(s): SASAKI MANABU

APPLICANT(s): HITACHI LTD
APPL. NO.: 10-224001 [JP 98224001]
FILED: August 07, 1998 (19980807)

METHOD FOR RECORDING **ELECTRONIC WATERMARK** INFORMATION

INTL CLASS: H04N-005/92; **G06F-012/14** ; G09C-005/00; G11B-020/10;
H04N-007/08; H04N-007/081; H04N...

ABSTRACT

...the detection impossibility due to mask processing, etc., by recording a reference signal for detecting **electronic watermark** information at a display position, which is different from recorded **electronic watermark** information and also can be calculated from time information, etc., belonging to an **image** .

SOLUTION: An **image** stream 101 consists of plural pieces of frame information comprising coded information 103 obtd. by **encoding** an **image** , the time information 104 of a frame, **electronic watermark** information 105 and a reference signal 106. The **electronic watermark** information 105 and the reference signal 106 for detecting it are included in the coded ...

... signal, even if mask processing is performed in the same procedure at reproducing of the **image** stream 101.

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26/3,K/8 (Item 8 from file: 347)

DIALOG(R)File 347:JAPIO
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06464472 **Image available**
DATA DISTRIBUTION METHOD

PUB. NO.: 2000-050047 [JP 2000050047 A]
PUBLISHED: February 18, 2000 (20000218)
INVENTOR(s): YODA AKIRA
APPLICANT(s): FUJI PHOTO FILM CO LTD
APPL. NO.: 10-212801 [JP 98212801]
FILED: July 28, 1998 (19980728)

INTL CLASS: H04N-001/387; **G06F-012/14** ; **G06F-013/00** ; G09C-005/00;
G11B-020/10; **H04L-012/54** ; **H04L-012/58** ; H04N-007/08;
H04N-007/081

ABSTRACT

... opposite party and more preferably, the person having the propriety rights in data in an **electronic watermark** form which is inseparable from the data in distributing the data such as **picture** data and sound data to a person except for the person having the propriety rights.

SOLUTION: When a client 12 requests access to a stored **picture** of a **picture** server 10, the input of information specifying the client 12 is requested from the **picture** server 10. Client side information and information such as on access date/time and use target classification of which the client 12 inputs and possessor information from the **picture** server 10 which corresponds to the **picture** , are buried in **picture** data 20 by a watermark **encoder** 13. Buried information is also divided to

respective information such as an alteration preventing code with weak resistance, a client with strong resistance, the access date/time, an **author** and portrait rights. Thus, the proprietorial rights can be insisted and the presence or absence of the alteration of the data can be discriminated.

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26/3,K/9 (Item 9 from file: 347)
DIALOG(R)File 347:JAPIO
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06389523 **Image available**
RADIO COMMUNICATION EQUIPMENT

PUB. NO.: 11-331171 [JP 11331171 A]
PUBLISHED: November 30, 1999 (19991130)
INVENTOR(s): MIZUTA KAZUMASA
APPLICANT(s): TOYO COMMUN EQUIP CO LTD
APPL. NO.: 10-126992 [JP 98126992]
FILED: May 11, 1998 (19980511)

INTL CLASS: H04L-012/28 ; H04B-007/10; H04B-007/26; H04L-029/06

ABSTRACT

PROBLEM TO BE SOLVED: To transmit and receive high-speed data of an **image**, etc., in a train such as the Shinkansen (Bullet train) by selecting a signal of a maximum level from the output signal of a receiving means **connected** to plural directional antennas arranged so as to differentiate directivity and protocol-converting the signal...

...local area network arranged in a traveling body.

SOLUTION: A high-speed signal, such as **image** data transmitted from the fixed station of a portable telephone system, is received by eight first antennas 11a to 11h and first RF parts 12a to 12h with a directivity **pattern** and converted to **digital** signal by first A/D/A converting parts 14a to 14h. A digital signal processing...

... 133 for transmitting via second antennas 15a to 15n (n is the number of vehicles).

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26/3,K/10 (Item 10 from file: 347)
DIALOG(R)File 347:JAPIO
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06202823 **Image available**
METHOD AND DEVICE FOR PREVENTING ILLICIT COPY

PUB. NO.: 11-144380 [JP 11144380 A]
PUBLISHED: May 28, 1999 (19990528)
INVENTOR(s): SHIMADA MICHIO
APPLICANT(s): NEC CORP
APPL. NO.: 09-306104 [JP 97306104]
FILED: November 07, 1997 (19971107)

INTL CLASS: G11B-020/10; G09C-005/00; H04L-009/36 ; H04N-001/387;

H04N-005/91; H04N-007/08; H04N-007/081

ABSTRACT

PROBLEM TO BE SOLVED: To prevent an illicit copy by burying an **electronic watermark** to enlarge the cost for illicit copy in the data and adding randomness to the data.

SOLUTION: When a sound/ **image** signal is copied (recorded), beforehand this device is integrated in a sound/ **image** signal reproducing/recording device, and the reproduced sound/ **image** signal is supplied to an input terminal 103, and a noise of an extent that a viewer can't recognize deterioration in sound quality and **picture** quality is buried in the sound/ **image** signal, and is outputted from this output terminal 104, and this signal is copied (recorded). A TV set and a video recorder, etc., are **connected** to this output terminal 104, and when the viewer views this output as it is...

... tries to copy this output illicitly, since the noise is superimposed further on the sound/ **image** signal, the second quality and **picture** quality are deteriorated further, and the viewer becomes to feel the inconvenience, and an advantage performing the illicit copy is eliminated.

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26/3,K/11 (Item 11 from file: 347)
DIALOG(R)File 347:JAPIO
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06083689 **Image available**
ELECTRONIC EQUIPMENT HAVING EARPHONE JACK

PUB. NO.: 11-025203 [JP 11025203 A]
PUBLISHED: January 29, 1999 (19990129)
INVENTOR(s): MORI TAKESHI
APPLICANT(s): OLYMPUS OPTICAL CO LTD
APPL. NO.: 09-182902 [JP 97182902]
FILED: July 09, 1997 (19970709)

INTL CLASS: G06K-007/10; H04R-001/10; G06F-003/16

ABSTRACT

... jack and a high frequency circuit part, and a part 14 without the inner layer **pattern** of an **electronic** circuit board is provided in the surrounding of the **connection** pattern of the EMI countermeasure part 6 with the earphone jack 7 and the earphone jack 7. Also, an **image** pickup element and the high frequency circuit part are mounted on one surface of the...

... side positioned so as to be opposite to one surface of the electronic circuit board.

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26/3,K/12 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014416656 **Image available**

WPI Acc No: 2002-237359/200229

XRPX Acc No: N02-182628

Image processing apparatus for color image -forming apparatus such as a color-copying machine, adds addressee of fee billing as a digital watermark

Patent Assignee: CANON KK (CANO); ITO Y (ITOI-I)

Inventor: ITO Y

Number of Countries: 002 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20010021979	A1	20010913	US 2001783073	A	20010215	200229 B
JP 2001344656	A	20011214	JP 2000163206	A	20000531	200229
JP 2001230920	A	20010824	JP 200037923	A	20000216	200229

Priority Applications (No Type Date): JP 2000163206 A 20000531; JP 200037923 A 20000216

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20010021979	A1		25	H04L-009/32	
JP 2001344656	A		15	G07F-017/26	
JP 2001230920	A		13	H04N-001/387	

Image processing apparatus for color image -forming apparatus such as a color-copying machine, adds addressee of fee billing as a digital watermark

Abstract (Basic):

... The image processing apparatus is connected to an information communication apparatus, with input for entering information on the addressee of fee billing from the information communication apparatus, and a second input for entering an image . The addressee is added to the image in a manner not easily recognizable to the human eyes, such as a digital watermark and the combined image is then output.

... INDEPENDENT CLAIMS are included for an image processing method, an information communication method, and information communication apparatus and a computer readable medium...

... Image processing apparatus for color image -forming apparatus such as a color-copying machine...

...The owner of the document can be recognized even on a multi-user-copying machine

Title Terms: IMAGE ;

...International Patent Class (Main): H04L-009/32

...International Patent Class (Additional): G06F-011/30 ...

... G06F-012/14

26/3,K/13 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012851160 **Image available**

WPI Acc No: 2000-022992/200002

XRPX Acc No: N00-017116

Digital water marking of audio, video data transmitted through internet for performing e-commerce

Patent Assignee: MOSKOWITZ S A (MOSK-I)

Inventor: MOSKOWITZ S A

Number of Countries: 021 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9952271	A1	19991014	WO 99US7262	A	19990402	200002 B
EP 1068720	A1	20010117	EP 99915224	A	19990402	200105
			WO 99US7262	A	19990402	
US 6205249	B1	20010320	US 9853628	A	19980402	200118
US 20010010078	A1	20010726	US 9853628	A	19980402	200146
			US 2001767733	A	20010124	
JP 2002510943	W	20020409	WO 99US7262	A	19990402	200227
			JP 2000542907	A	19990402	

Priority Applications (No Type Date): US 9853628 A 19980402; US 2001767733 A 20010124

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9952271	A1	E	28	H04N-001/32	
					Designated States (National): JP
					Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
EP 1068720	A1	E		H04N-001/32	Based on patent WO 9952271
					Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE
US 6205249	B1			G06K-009/46	
US 20010010078	A1			H04K-001/02	Cont of application US 9853628 Cont of patent US 6205249
JP 2002510943	W		36	H04N-001/387	Based on patent WO 9952271

Digital water marking of audio, video data transmitted through internet for performing e-commerce

Abstract (Basic):

... of each block are chosen. The digital data is selected using a transformation table for **encoding** in transformed block by altering the selected amplitude.

... each color channel. A reference subset of pixels which form a pixel line in the **image** as well as original dimensions are stored in the key. If the **image** is rectangular, the line represents a diagonal of the rectangle. The transformation table for selecting data for **encoding** is generated using a convolution mask and **encoding** is done by reducing value selected amplitudes by specific level if the data bits are...

...For protecting **copyright** of digital data like music, **photograph**, video transmitted through internet for performing e-commerce...

...The **copyright** owners have greater control over the protected information. For still **pictures** and audio data, water marking can be done without requiring decoding of original non-watermarked information. Hence water mark cannot be detected easily. Authentication of **image** can be done by eliminating false positive matches with cryptography and communication of **copyright** with third party is enabled. Different keys can be used for **encoding** various data and the same keys is used for decoding water marked message...

...The figure shows a flowchart of **digital water marking** process...

...International Patent Class (Additional): H04L-009/00

?

File 348:EUROPEAN PATENTS 1978-2003/Jun W04

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File 349:PCT FULLTEXT 1979-2002/UB=20030626,UT=20030619

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? ds

Set	Items	Description
S1	10180	(DIGIT? OR ELECTRONIC?) (3N) (WATERMARK? OR WATER()MARK? OR - MARKER? OR MARKING? OR SYMBOL? OR STENCIL? OR PATTERN? OR FIN- GERPRINT? OR IDENTIFIER?)
S2	2319	MAPS (5N) (GENERAT? OR CREAT? OR COMPIL?)
S3	24	S2 (5N) (GEOGRAPHIC? OR LAND OR LANDSCAPE)
S4	541284	IMAG? OR PICTURE? OR GRAPHIC? OR PHOTO?? OR PHOTOGRAPH??
S5	90623	S4 (5N) (PORTION? OR PARTS OR PART OR SECTION? OR SECTORS OR COMPONENT? OR SEGMENT? OR PIECE?? OR FRAGMENT?)
S6	4348	(SPACE()SHUTTLE OR AERIAL OR AIRPLANE OR SPOT OR SATELLITE-) (3N)S4
S7	536	(LINK? OR CONNECT? OR ENCOD?) (5N) (METADATA OR META()DATA OR HEADER()DATA)
S8	98	AU=(RHOADS G? OR RHOADS, G?)
S9	158805	IC=(H04L? OR G09G? OR G06F?)
S10	3	S1(S)S5(S)S7
S11	64	S1 AND S8
S12	21	S11 AND S9
S13	1	S12(S)S6
S14	1	S13 NOT S10
S15	15	S1(S)S6
S16	14	S15 NOT (S13 OR S10)
S17	9	S16 NOT AD=20010417:20030703

10/3,K/1 (Item 1 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
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00784138

SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR A REQUEST BATCHER IN A
TRANSACTION SERVICES PATTERNS ENVIRONMENT
SYSTEME, PROCEDE ET ARTICLE MANUFACTURE POUR MODULE DE MISE EN LOTS DES
REQUETES DANS UN ENVIRONNEMENT CARACTERISE PAR DES SERVICES
TRANSACTIONNELS

Patent Applicant/Assignee:

ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US
(Residence), US (Nationality)

Inventor(s):

BOWMAN-AMUAH Michel K, 6426 Peak Vista Circle, Colorado Springs, CO 80918
, US,

Legal Representative:

HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, 1400 Page
Mills Road, Palo Alto, CA 94304, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200116733 A2-A3 20010308 (WO 0116733)

Application: WO 2000US23885 20000831 (PCT/WO US0023885)

Priority Application: US 99387575 19990831

Designated States: AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CU CZ DE DK
DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT
LU LV MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR
TT UA UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 150393

Fulltext Availability:

Detailed Description

Detailed Description

... Virtual Reality - A virtual reality or a virtual environment interface
takes the idea of an **image** map to the next level by creating a
3-dimensional (3-D) envirom-nent for...

...window which is to belaunched.

88

Exemplary products that may be used to implement this **component** include
Silicon **Graphics** Open Inventor; VREAM VRcreator; DimensionX Liquid
Reality.

There are many toolkits and code libraries available to speed development
of applications utilizing Reality services. Below are some representative
products.

Silicon **Graphics** Open Inventor - an object-oriented 3-D toolkit used to
build interactive 3-D **graphics** using objects such as cameras, lights
and 3-D viewers; provides a simple event model...

...1316

Report and Print Services support the creation and on-screen previewing

of paper or **photographic** documents which contain screen data, application data, graphics or images.

Implementation considerations

Printing services must take into consideration varying print scenarios common in Netcentric environments, including: varying **graphics** /file types (Adobe.PDF, .GIF, .JPEG), page margins and breaks, HTML constructs including tables and...created by others. Documents can be comprised of many different data types, including text, charts, **graphics**, or even audio and video.

Security 1410

Documents should be accessed exclusively through the document...standard has gained acceptance as the Internet mechanism for sending E-mail containing various multimedia **parts**, such as **images**, audio files, and movies. SIMIME, or secure MIME adds encryption and enables a secure mechanism...added networks (VANs) - VANs link EDI trading partners and transmit EDI

messages through a central **electronic** clearinghouse

IBM Global Services' Advantis

GE Information Services

Sterling Commerce

Legacy Integration 1550

Legacy services...because there is no persistent connection open between the Web client and the Web server.

Digital Certificates or Signatures - encrypted digital keys that are issued by a third party "trusted" organization...

10/3,K/2 (Item 2 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00784137

SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR DISTRIBUTED GARBAGE COLLECTION IN ENVIRONMENT SERVICES PATTERNS

SYSTEME, PROCEDE ET ARTICLE DE FABRICATION EN MATIERE DE RECUPERATION D'ESPACE REPARTI DANS DES MOTIFS DE SERVICES D'ENVIRONNEMENT

Patent Applicant/Assignee:

ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US
(Residence), US (Nationality)

Inventor(s):

BOWMAN-AMUAH Michel K, 6416 Peak Vista Circle, Colorado Springs, CO 80918, US,

Legal Representative:

HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, 1400 Page Mill Road, Palo Alto, CA 94304, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200116729 A2-A3 20010308 (WO 0116729)

Application: WO 2000US24238 20000831 (PCT/WO US0024238)

Priority Application: US 99386435 19990831

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English
Filing Language: English
Fulltext Word Count: 150959

Fulltext Availability:
Detailed Description

Detailed Description
... public networks such as the Internet.

The need for Encryption Services is particularly strong where **electronic** commerce solutions that involve exchanging sensitive or financial data are to be deployed over public...g., a stock ticker). Asynchronous push/pull services do not require that a session-like **connection** be present between the subscriber and the information.

Internet ListServers are a simple example. Subscribers...software located on the intelligent . Graphical User Interface: The architecture should provide users with a **graphical** user interface.

7. Bilingual Support: For companies where two or more languages are used, the...

10/3,K/3 (Item 3 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00784136

A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR BUSINESS LOGIC SERVICES PATTERNS IN A NETCENTRIC ENVIRONMENT
SYSTEME, PROCEDE ET ARTICLE DE FABRICATION POUR STRUCTURES DE SERVICES DE LOGIQUE DE COMMERCE DANS UN ENVIRONNEMENT S'ARTICULANT AUTOUR DE L'INTERNET

Patent Applicant/Assignee:

ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US
(Residence), US (Nationality)

Inventor(s):

BOWMAN-AMUAH Michel K, 6426 Peak Vista Circle, Colorado Springs, CO 80918
, US,

Legal Representative:

HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, 38th Floor,
2029 Century Park East, Los Angeles, CA 90067-3024, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200116728 A2-A3 20010308 (WO 0116728)

Application: WO 2000US24197 20000831 (PCT/WO US0024197)

Priority Application: US 99387658 19990831

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ
DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI
SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 150863

Fulltext Availability:

Detailed Description

Detailed Description

... services must take into consideration varying print scenarios common in Netcentric environments, including: varying **graphics** /file types (Adobe PDF, GEF, JPEG), page margins and breaks, HTML constructs including tables and...standard has gained acceptance as the Internet mechanism for sending E-mail containing various multimedia **parts**, such as **images**, audio files, and movies. S/T
4ME, or secure MIME adds encryption and enables a...added networks (VANs)
- VANs link EDI trading partners and transmit EDI messages through a central **electronic** clearinghouse
IBM Global Services' Advantis
GE Information Services
Sterling Commerce
Legacy Integration 1550
Legacy services...g., a stock ticker). Asynchronous push/pull services do not require that a session-like **connection** be present between the subscriber and the information.

Internet ListServers are a simple example. Subscribers...

?

14/3,K/1 (Item 1 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
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00937509 **Image available**

DIGITAL WATERMARKING AND MAPS
FILIGRANAGE NUMERIQUE ET CARTES CONNEXES

Patent Applicant/Assignee:

DIGIMARC CORPORATION, Suite 100, 19801 SW 72nd Avenue, Tualatin, OR 97062
, US, US (Residence), US (Nationality), (For all designated states
except: US)

Patent Applicant/Inventor:

RHOADS Geoffrey B, 2961 SW Turner Road, West Linn, OR 97068, US, US
(Residence), US (Nationality), (Designated only for: US)
BRUNDAGE Trent J, 16225 SW O'Neill Court, Tigard, OR 97223, US, US
(Residence), US (Nationality), (Designated only for: US)
LOFGREN Neil E, 163 Palos Verdes, White Salmon, WA 98672, US, US
(Residence), US (Nationality), (Designated only for: US)
PATTERSON Philip R, 25795 SW Meadowbrook Lane, Sherwood, OR 97140, US, US
(Residence), US (Nationality), (Designated only for: US)
CLEMENTS Lorie R, 8007 SE 16th Avenue, Portland, OR 97202, US, US
(Residence), US (Nationality), (Designated only for: US)

Legal Representative:

CONWELL William Y (agent), Digimarc Corporation, Suite 100, 19801 SW 72nd
Avenue, Tualatin, OR 97062, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200271685 A1 20020912 (WO 0271685)
Application: WO 2002US6858 20020305 (PCT/WO US0206858)
Priority Application: US 2001800093 20010305; US 2001833013 20010410; US
2001284163 20010416; US 2001284776 20010418; US 2001858336 20010515; US
20012954 20011023; US 2001997400 20011128

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO
RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 23726

Fulltext Availability:

Detailed Description

Claims

Detailed Description

... directly into the image data itself (i.e., "in band"
steganographic encoding using **digital watermarking**). A well-designed
watermarking name-space can in fact become a supra-structure over several
...

...watermark name-space,

For example, on initial acquisition, an initial watermark can be applied
to **satellite imagery** detailing the ephemeris based gross
georeferencing. Once the image has been finely georeferenced, the
existing...recognized that there are a great number of variations on
these basic themes.

For example, **digital watermarks** can be applied to any data set (e.g.,
a **satellite image**, or a map generated from the master database) for

forensic tracking purposes. This is particularly...channel from which it originated.

In an alternative embodiment, with reference to Fig. 5, a **digital watermark** embedder is included in aerial platform 311. The **aerial** embedder embeds **images** (e.g., after or during capture) and 30 relays such to ground station 312. In yet another embodiment, an image is **digitally watermarked** downstream from ground station 312, such as in a user terminal, or an embedder associated...

Claim

... 28 A data structure stored on a computer readable medium, the data structure comprising an **aerial image** including embedded data in the form of a **digital watermark**, said **digital watermark** including imagery characteristics.

29 A method of marking a photograph comprising the steps of obtaining geovector...

?

17/3,K/1 (Item 1 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
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01113101

Digital cameras

Digitalkameras

Cameras numeriques

PATENT ASSIGNEE:

Hewlett-Packard Company, (206030), 3000 Hanover Street, Palo Alto,
California 94304, (US), (Applicant designated States: all)

INVENTOR:

Allen, Ross R., 408 Hainline Drive, Belmont, California 94303, (US)

LEGAL REPRESENTATIVE:

Powell, Stephen David et al (52311), WILLIAMS, POWELL & ASSOCIATES 4 St
Paul's Churchyard, London EC4M 8AY, (GB)

PATENT (CC, No, Kind, Date): EP 974811 A1 000126 (Basic)

APPLICATION (CC, No, Date): EP 99304721 990616;

PRIORITY (CC, No, Date): US 120096 980721

DESIGNATED STATES: DE; FR; GB

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G01B-011/24

ABSTRACT WORD COUNT: 105

NOTE:

Figure number on first page: NONE

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200004	285
SPEC A	(English)	200004	3666
Total word count - document A			3951
Total word count - document B			0
Total word count - documents A + B			3951

...SPECIFICATION includes more than 4 spots and by applying the above
discussed logic to such a **spot pattern**. "Digital Image Warping",
George Wolberg, IEEE Computer Society 1990, pp. 52-56, discusses the
principle of a...

17/3,K/2 (Item 2 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
(c) 2003 European Patent Office. All rts. reserv.

01094636

**LITHOGRAPHIC IMAGING WITH CONSTRUCTIONS HAVING MIXED ORGANIC/INORGANIC
LAYERS**

**LITHOGRAPHISCHES VERFAHREN MIT ANORGANISCH-ORGANISCHEN MISCHUNGEN
ENTHALTENDEN SCHICHTEN**

**IMAGERIE LITHOGRAPHIQUE AVEC STRUCTURES COMPORTANT DES COUCHES
ORGANIQUES/INORGANIQUES MELANGEES**

PATENT ASSIGNEE:

Presstek, Inc., (1136384), 18 Hampshire Drive, Hudson, New Hampshire
03051, (US), (Proprietor designated states: all)

INVENTOR:

LEWIS, Thomas, E., 27 Pilgrim Circle, East Hampstead, NH 03826, (US)

LEGAL REPRESENTATIVE:

Hackett, Sean James (55263), Marks & Clerk, Alpha Tower, Suffolk Street
Queensway, Birmingham B1 1TT, (GB)

PATENT (CC, No, Kind, Date): EP 984859 A1 000315 (Basic)
EP 984859 B1 030528
WO 99048689 990930
APPLICATION (CC, No, Date): EP 99911401 990317; WO 99US5613 990317
PRIORITY (CC, No, Date): US 79021 P 980323
DESIGNATED STATES: BE; DE; FR; GB; IT
INTERNATIONAL PATENT CLASS: B41C-001/10

NOTE:

No A-document published by EPO
LANGUAGE (Publication, Procedural, Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200322	1379
CLAIMS B	(German)	200322	1324
CLAIMS B	(French)	200322	1557
SPEC B	(English)	200322	4380
Total word count - document A			0
Total word count - document B			8640
Total word count - documents A + B			8640

...SPECIFICATION operations that typify traditional printing technologies, practitioners have developed electronic alternatives that store the imagewise **pattern** in **digital** form and impress the pattern directly onto the plate. Plate-imaging devices amenable to computer...

...approaches, application of an imaging pulse to a point on the plate ultimately creates an **image spot** having an affinity for ink or an ink-abhesive fluid differing from that of unexposed...

17/3,K/3 (Item 1 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT
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00811457 **Image available**

METHOD FOR REGISTERING SEPARATION PATTERNS
PROCEDE PERMETTANT D'ENREGISTRER DES MOTIFS DE SEPARATION

Patent Applicant/Assignee:

COMPUGEN LTD, 72 Pinchas Rozen Street, 69512 Tel Aviv, IL, IL (Residence)
, IL (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

SMILANSKY Zeev, NO. 41, 76850 Meishar, IL, IL (Residence), IL
(Nationality), (Designated only for: US)

Legal Representative:

REINHOLD COHN AND PARTNERS (agent), P.O. Box 4060, 61040 Tel Aviv, IL,
Patent and Priority Information (Country, Number, Date):

Patent: WO 200145046 A1 20010621 (WO 0145046)

Application: WO 2000IL778 20001122 (PCT/WO IL0000778)

Priority Application: IL 133562 19991216

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG

SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

((OAPI utility model)) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 10700

Fulltext Availability:
Claims

Claim

- ... program code embodied therein for registering a sequence of n digital images of n separation **patterns**, respectively, the **digital** images being described by gray level functions defined on a pixel set, the computer program...
- ...to perform method steps for registering a sequence of n digital images of n separation **patterns**, respectively, the **digital** images being described by gray level functions defined on a pixel set, the method comprising...
- ...to perform method steps for displaying a sequence of n digital images of n separation **patterns**, respectively, the **digital** images being described by gray level functions defined on a pixel set, the method comprising...
- ...code embodied therein for displaying a sequence of n digital images of n separation **patterns**, respectively, the **digital** images being described by gray level functions defined on a pixel set, the computer program... steps for displaying a sequence of n digital images of n separation **patterns**, respectively, the **digital** images being described by gray level functions defined on a pixel set, the method comprising...
- ...code embodied therein for displaying a sequence of n digital images of n separation **patterns**, respectively, the **digital** images being described by gray level functions defined on a pixel set, the computer... or $B_i(y)$ is zero, then $Psf(x, y) = 0$. Otherwise, x is in a **spot** in the first **image** and y is in a spot in the second image, and
ID
Psf(x...

17/3,K/4 (Item 2 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
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00532091 **Image available**

**METHODS FOR EMBEDDING IMAGE, AUDIO AND VIDEO WATERMARKS IN DIGITAL DATA
PROCEDES PERMETTANT D'INTEGRER DES FILIGRANES DE TYPE IMAGES, AUDIO ET
VIDEO DANS DES DONNEES NUMERIQUES**

Patent Applicant/Assignee:

DATAMARK TECHNOLOGIES PTE LTD,
HO Anthony Tung Shuen,
TAM Siu Chung,

Inventor(s):

HO Anthony Tung Shuen,
TAM Siu Chung,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9963443 A1 19991209

Application: WO 98SG39 19980601 (PCT/WO SG9800039)

Priority Application: WO 98SG39 19980601

Designated States: AU CA CN ID JP KR SG US AT BE CH CY DE DK ES FI FR GB GR
IE IT LU MC NL PT SE

Publication Language: English
Fulltext Word Count: 9219

Fulltext Availability:
Detailed Description

Detailed Description

... that can apply to audio, image or video data.

Figure 9 illustrates an example of **digital image watermarking** of a company's logo, of size 128 x 128, into a real image, of...

...face, created

using an embodiment of the present invention;

Figure 10 illustrates another example of **digital image watermarking** of a

company's logo, of size 128 x 128, into a real image, of size 512 x 512, of a **satellite**

image, created using an embodiment of the present invention;

Figure 11 illustrates a block diagram...to obtain the decoded watermark data.

Figure 8a and 8b illustrate pseudocode listings of a **digital watermarking** coder and decoder system that can be applied to image, audio and video data. Figures 9 and 10 illustrate examples of **digital image watermarking** in the form of a company logo of size 128 x 128 into two real images of size 512 x 512 of a women's face and a **satellite image**, respectively. Correlation analysis performed on these examples between the unlabelled and labelled images and original...

17/3,K/5 (Item 3 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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.00301401

A METHOD AND APPARATUS FOR AUTOMATIC FOCUSING OF A CONFOCAL LASER MICROSCOPE

PROCEDE ET DISPOSITIF SERVANT A EFFECTUER UNE OPERATION DE MISE AU POINT AUTOMATIQUE

Patent Applicant/Assignee:
ULTRAPOINTE CORPORATION,

Inventor(s):

FAIRLEY Christopher R,
THOMSPSON Timothy V,
LEE Ken K,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9519552 A1 19950720

Application: WO 95US665 19950117 (PCT/WO US9500665)

Priority Application: US 94536 19940118

Designated States: AM AT AU BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU
JP KE KG KP KR KZ LK LR LT LU LV MD MG MN MW MX NL NO NZ PL PT RO RU SD
SE SI SK TJ TT UA UZ VN KE MW SD SZ AT BE CH DE DK ES FR GB GR IE IT LU
MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 92978

Fulltext Availability:
Detailed Description

Detailed Description

... 106 and Y-mirror 108
are each rotatable about an axis such that the
illumination **spot** created by incident laser beam 123I
can be moved along an X-axis and a...C25r D5 of integrator 420 are known
to one skilled
in the art of designing **electronics** .

The output signal of integrator 420 is provided to
notch filter 5013, which includes two...

17/3,K/6 (Item 4 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00235371 **Image available**
PROCESS FOR SCANNING COLOURED PATTERNS AND DEVICE FOR IMPLEMENTING THE
PROCESS
PROCEDE POUR L'ANALYSE D'ORIGINAUX EN COULEURS ET DISPOSITIF D'APPLICATION
DE CE PROCEDE

Patent Applicant/Assignee:

LINOTYPE-HELL AG,
JuRGENSEN Heinrich,

Inventor(s):

JuRGENSEN Heinrich,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9309632 A1 19930513

Application: WO 92DE922 19921105 (PCT/WO DE9200922)

Priority Application: DE 4136646 19911107

Designated States: JP US AT BE CH DE DK ES FR GB GR IE IT LU MC NL SE

Publication Language: German

Fulltext Word Count: 2595

English Abstract

The invention relates to a process for the optical- **electronic** scanning
of coloured **patterns** image spotwise and linewise in which a coloured
pattern is illuminated and the scanning light modulated by the densities
of an **image spot** region on the coloured pattern is used to generate
representative colour signals for the **image spot** region concerned, in
that the scanning light is broken down into colour components and the...

...colour signal values of at least one selected colour component,
especially the blue component, the **image spot** region selected for the
evaluation is larger for the selected colour component than for the...

17/3,K/7 (Item 5 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2003 WIPO/Univentio. All rts. reserv.

00226401 **Image available**
REAL TIME THREE DIMENSIONAL GEO-REFERENCED DIGITAL ORTHOPHOTOGRAPH-BASED
POSITIONING, NAVIGATION, COLLISION AVOIDANCE AND DECISION SUPPORT
SYSTEM

SYSTEME DE LOCALISATION, DE NAVIGATION, D'EVITEMENT DES COLLISIONS ET
D'AIDE A LA DECISION, BASE SUR DES ORTHOPHOTOGRAPHIES NUMERIQUES
GEOREFERENCEES TRIDIMENSIONNELLES EN TEMPS REEL

Patent Applicant/Assignee:

UNITECH RESEARCH INC,

Inventor(s):

WYSOCKI David A,
HOOPER Paul S,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9300647 A2 19930107
Application: WO 92US5180 19920616 (PCT/WO US9205180)
Priority Application: US 91618 19910621
Designated States: AU CA JP AT BE CH DE DK ES FR GB GR IT LU MC NL SE
Publication Language: English
Fulltext Word Count: 7717

Fulltext Availability:
Detailed Description

Detailed Description

... s position on the map is displayed as
determined from the sensors or GPS signals. **Digitized**
symbolic maps or charts used with the above patent, and
with vehicle, aircraft, and ship navigation...

...features are not accurately placed on symbolic maps
because of cartographic displacement caused by adjacent
symbols . The **digital** maps used with the aforementioned
systems make little, or no use of different digital data...

...Y map projections and spheroids. This can be
a source of error,
Remotely sensed digital **satellite image** data of the
earth can also be used as a map or chart and the...

...to correct for
relief displacement, These errors, and the small scale,
limit the use of **satellite imagery** as a map or chart,
U.S. Patent 4,835,537, to Manion, discloses an...

17/3,K/8 (Item 6 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00156314

SIGNAL PROCESSING APPARATUS AND METHODS
DISPOSITIF ET PROCEDES DE TRAITEMENT DE SIGNAUX

Patent Applicant/Assignee:

HARVEY John C,
Inventor(s):
HARVEY John C,
CUDDIHY James W,

Patent and Priority Information (Country, Number, Date):

Patent: WO 8902682 A1 19890323
Application: WO 88US3000 19880908 (PCT/WO US8803000)
Priority Application: US 8796 19870911
Designated States: AT AU BE BJ BR CF CG CH CM DE DK FI FR GA GB GB HU IT JP
KP LK LU MC MG ML MR MW NL NO RO SE SN SU TD TG
Publication Language: English
Fulltext Word Count: 161690

Fulltext Availability:
Claims

Claim

... error correcting bit information and are

15 embedded, transmitted, and received in the normal transmission **pattern** of the "Wall Street Week" television transmission.

All subscriber station apparatus are fully preprogrammed to...information of the execution segment of the first combining synch command. Thus the 5 binary **image** of the particular controlled-function-invoking information that said information matches at controller, 39-more...

17/3,K/9 (Item 7 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00107781 **Image available**

**METHOD AND APPARATUS FOR MATERIAL ANALYSIS
PROCEDE ET APPAREIL D'ANALYSE DE MATERIAUX**

Patent Applicant/Assignee:

COMMW SCIENT IND RES ORG,
ZUIDERWYK M,
REID A,

Inventor(s):

ZUIDERWYK M,
REID A,

Patent and Priority Information (Country, Number, Date):

Patent: WO 8103707 A1 19811224
Application: WO 81AU71 19810610 (PCT/WO AU8100071)
Priority Application: AU 803998 19800611

Designated States: AU JP US DE FR GB

Publication Language: English

Fulltext Word Count: 14106

Fulltext Availability:

Detailed Description

Detailed Description

... word or---Xa:sk corresponding
to a.given composition or phase at a given
5 **image** point or **spot** , the said digital word
containing values 0 or I at defined positions
to define the...

...absence of a given
element on the basis of X-ray events and/or
a **digital** value or bit **pattern** representing
10 the BSE brightness level. The above-described
real time identification of mineral or...

?

File 9:Business & Industry(R) Jul/1994-2003/Jul 02
(c) 2003 Resp. DB Svcs.

File 15:ABI/Inform(R) 1971-2003/Jul 03
(c) 2003 ProQuest Info&Learning

File 16:Gale Group PROMT(R) 1990-2003/Jul 03
(c) 2003 The Gale Group

File 20:Dialog Global Reporter 1997-2003/Jul 03
(c) 2003 The Dialog Corp.

File 47:Gale Group Magazine DB(TM) 1959-2003/Jun 27
(c) 2003 The Gale group

File 75:TGG Management Contents(R) 86-2003/Jun W4
(c) 2003 The Gale Group

File 80:TGG Aerospace/Def.Mkts(R) 1986-2003/Jul 02
(c) 2003 The Gale Group

File 88:Gale Group Business A.R.T.S. 1976-2003/Jun 30
(c) 2003 The Gale Group

File 98:General Sci Abs/Full-Text 1984-2003/May
(c) 2003 The HW Wilson Co.

File 112:UBM Industry News 1998-2003/Jul 03
(c) 2003 United Business Media

File 141:Readers Guide 1983-2003/May
(c) 2003 The HW Wilson Co

File 148:Gale Group Trade & Industry DB 1976-2003/Jul 01
(c)2003 The Gale Group

File 160:Gale Group PROMT(R) 1972-1989
(c) 1999 The Gale Group

File 275:Gale Group Computer DB(TM) 1983-2003/Jul 02
(c) 2003 The Gale Group

File 264:DIALOG Defense Newsletters 1989-2003/Jul 03
(c) 2003 The Dialog Corp.

File 484:Periodical Abs Plustext 1986-2003/Jun W5
(c) 2003 ProQuest

File 553:Wilson Bus. Abs. FullText 1982-2003/May
(c) 2003 The HW Wilson Co

File 570:Gale Group MARS(R) 1984-2003/Jul 02
(c) 2003 The Gale Group

File 608:KR/T Bus.News. 1992-2003/Jul 03
(c)2003 Knight Ridder/Tribune Bus News

File 610:Business Wire 1999-2003/Jul 03
(c) 2003 Business Wire.

File 613:PR Newswire 1999-2003/Jul 03
(c) 2003 PR Newswire Association Inc

File 621:Gale Group New Prod.Annou.(R) 1985-2003/Jul 01
(c) 2003 The Gale Group

File 623:Business Week 1985-2003/Jul 02
(c) 2003 The McGraw-Hill Companies Inc

File 624:McGraw-Hill Publications 1985-2003/Jul 03
(c) 2003 McGraw-Hill Co. Inc

File 634:San Jose Mercury Jun 1985-2003/Jul 02
(c) 2003 San Jose Mercury News

File 635:Business Dateline(R) 1985-2003/Jul 03
(c) 2003 ProQuest Info&Learning

File 636:Gale Group Newsletter DB(TM) 1987-2003/Jul 02
(c) 2003 The Gale Group

File 647:CMP Computer Fulltext 1988-2003/Jun W2
(c) 2003 CMP Media, LLC

File 696:DIALOG Telecom. Newsletters 1995-2003/Jul 02
(c) 2003 The Dialog Corp.

File 674:Computer News Fulltext 1989-2003/Jun W5
(c) 2003 IDG Communications

File 810:Business Wire 1986-1999/Feb 28

(c) 1999 Business Wire
File 813:PR Newswire 1987-1999/Apr 30
(c) 1999 PR Newswire Association Inc
? ds

Set	Items	Description
S1	32654	(DIGIT? OR ELECTRONIC?) (3N) (WATERMARK? OR WATER()MARK? OR - MARKER? OR MARKING? OR SYMBOL? OR STENCIL? OR PATTERN? OR FIN- GERPRINT? OR IDENTIFIER?)
S2	21243	MAPS(5N) (GENERAT? OR CREAT? OR COMPIL?)
S3	925	S2(5N) (GEOGRAPHIC? OR LAND OR LANDSCAPE)
S4	10161737	IMAG? OR PICTURE? OR GRAPHIC? OR PHOTO?? OR PHOTOGRAPH??
S5	284311	S4(5N) (PORTION? OR PARTS OR PART OR SECTION? OR SECTORS OR COMPONENT? OR SEGMENT? OR PIECE?? OR FRAGMENT?)
S6	79616	(SPACE()SHUTTLE OR AERIAL OR AIRPLANE OR SPOT OR SATELLITE-) (3N)S4
S7	1848	(LINK? OR CONNECT? OR ENCOD?) (5N) (METADATA OR META()DATA OR HEADER()DATA)
S8	119	AU=(RHOADS G? OR RHOADS, G?)
S9	0	S1(S)S6(S)S7
S10	33	S1(S)S6
S11	4	S10 AND PY=2002:2003
S12	29	S10 NOT S11
S13	14	RD S12 (unique items)
S14	0	S1(S)S2(S)S7
S15	12	S1(S)S2
S16	0	S15(S)METADATA
S17	0	S15(S)LINK?(S) (CREATORS OR AUTHORS OR COPYRIGHT OR OWNERS)
S18	8	S15 NOT (S10 OR S11)
S19	5	RD S18 (unique items)
S20	3683	DIGIMARC
S21	1	S20(S)S6
S22	0	S1 AND S8

13/3,K/1 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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00655644 93-04865

An Integrated GIS Solution for Seismic Hazard Mapping Systems

Palicki, Anthony J.

Computer Technology Review v12n14 PP: 107-111 Fall 1992

ISSN: 0278-9647 JRNL CODE: CTN

WORD COUNT: 2393

...TEXT: Intelligent feature digitizing is provided for the collection of borehole location information, contour and fault **digitizing**, and geological **symbol digitizing**. Intelligent manual data entry forms ensure that required data fields are entered. The collection and...

... models require a high degree of accuracy. These data themes are collected from elevation models, **satellite image** data, **aerial photography**, and soil map data.

SCANNING AND VECTORIZATION

Scanning technology and feature collection through vector conversion...

13/3,K/2 (Item 2 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2003 ProQuest Info&Learning. All rts. reserv.

00612994 92-28097

Data Collection for Basemaps

Sanders, Earl

American City & County v107n6 PP: 12 May 1992

ISSN: 0149-337X JRNL CODE: AMC

WORD COUNT: 826

...TEXT: table digitizing.

The second of the sub-issues, the process of converting data from an **aerial photograph** or existing hard copy map into computer format, is called digitizing. Originally, it meant taping a photo or map to a large table digitizer and "tracing" lines, text, and **symbols** into the **digital** map. Digitizing technology is now much more varied than before. Photogrammetric firms can digitize both...

13/3,K/3 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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08195381 Supplier Number: 68756030 (USE FORMAT 7 FOR FULLTEXT)

Olympus Announces Another First in Digital Photography The C-2040 ZOOM

Digital Camera.

PR Newswire, pNA

Jan 5, 2001

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 1700

... C-2040 ZOOM offers a variety of metering systems to meet the needs

of any **photographic** situation. The **spot** metering mode can be used singularly or as a multi spot meter averaging up to 8 reading for correct exposure. For ease of use, the C-2040 ZOOM provides the **Digital ESP** multi- **pattern** metering system, which looks at many areas of the picture to automatically determine the correct...

13/3,K/4 (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

07671447 Supplier Number: 63857883 (USE FORMAT 7 FOR FULLTEXT)
Smart Data Strategies, Inc. -SDS- Begins Work on Statewide Parcel Database Contract.

Business Wire, p2058
August 4, 2000
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 702

... eye" view of property-related data for every parcel in the state of Tennessee. Digitized **images** from EarthData's **aerial photographic** studies will be matched with **digital** linework and **symbology** representing individual parcels, roadways, bodies of water, and other map features. The parcel graphics will...

13/3,K/5 (Item 3 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

07206798 Supplier Number: 61415684 (USE FORMAT 7 FOR FULLTEXT)
Commercial space advocates rethink funding. (collapse of Iridium) (Industry Trend or Event)

Wirbel, Loring
Electronic Engineering Times, p26
April 10, 2000
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 976

... and digital cameras can be adopted for focal plane arrays already used in the Space **Imaging satellite** and in the Mars Rover, becoming the standard COTS imaging component for dual-use satellites. Kodak also was working with the Air Force Research Lab on applying **digital watermarking** technology the company had developed for its remote-sensing images, to "embed security into images...

13/3,K/6 (Item 4 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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06963294 Supplier Number: 58342562 (USE FORMAT 7 FOR FULLTEXT)
Manufacturers and Suppliers. (Alphabetical list of companies)

Lasers & Optronics, v18, n11, pS8
Nov, 1999
Language: English Record Type: Fulltext
Document Type: Tabloid; Academic Trade
Word Count: 71777

... Hirschberg;
4 Employees; 2 Engineers; Established: 1959
CAL-AV LABS, Inc. manufactures standard and custom **electronics** and systems. Our customers are the major labs and users from government, industry, and universities...Terry Michaels; Kevin Czarnota;
3 Employees; 2 Engineers; Established: 1980
Manufacturer of full color laser **graphics** projection systems and **aerial** beam systems and accessories. Full performance supplier of laser effects for special and corporate events...Toll Free: 800/LASERFX
Robert Teorey;
13 Employees; Established: 1985
Manufacturer of custom, full-color, **graphic** laser projectors and **aerial** beam tables. Producer of high-powered laser light shows and pyrotechnic displays.
Lasertron Inc.
9...

13/3,K/7 (Item 1 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2003 The Dialog Corp. All rts. reserv.

18049874 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Could androids ever dream of electric sheep?: Though sentient robots are a **distant prospect**, Hollywood may be on to something. 'Daily Telegraph' **Science Editor Roger Highfield** explores the reality of artificial **intelligence**
ROGER HIGHFIELD
DAILY TELEGRAPH, p02
July 28, 2001
JOURNAL CODE: FDTL LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 1938

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... problems such as speech recognition, fraud detection, electronic interpreters, quality control, pattern analysis for interpreting **satellite images**, neural nets that predict market movements, and smart appliances, such as ovens that download recipes...

13/3,K/8 (Item 1 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2003 The Gale group. All rts. reserv.

05804231 SUPPLIER NUMBER: 62140515 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Investigating Glaciation with U.S.G.S. Resources. (United States Geological Survey)
Kerski, Joseph J.
Focus, 46, 1, 8
Spring, 2000
ISSN: 0015-5004 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 2021 LINE COUNT: 00169

... the 1:40,000-scale National Aerial Photography Program (NAPP) product.

Using stereographic pairs of **aerial photographs**, students can consider all surface features, rather than only the features selected for mapping. They...

...described above, resulting from continental and alpine glaciation, and how these landforms affect current settlement **patterns** and land use.

Digital orthophoto quadrangles (DOQ) are computer versions of **aerial photographs**. Their spatial resolution of 1 meter on the ground allows for a detailed analysis of...

13/3,K/9 (Item 2 from file: 47)

DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2003 The Gale group. All rts. reserv.

02737568 SUPPLIER NUMBER: 04002917 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Can technology stop terror in the air?

Ashley, Steven

Popular Science, v227, p68(6)

Nov, 1985

CODEN: POSCD ISSN: 0161-7370 LANGUAGE: ENGLISH RECORD TYPE:

FULLTEXT

WORD COUNT: 3142 LINE COUNT: 00247

... off an alarm.

* A computerized bomb-recognition system that will analyze the outlines and density **patterns** of weapons in **digital X-ray images** of luggage to **spot** bombs that human eyes might miss.

* A super-sensitive chemical detector, now used to analyze...

13/3,K/10 (Item 1 from file: 141)

DIALOG(R)File 141:Readers Guide

(c) 2003 The HW Wilson Co. All rts. reserv.

03536876 H.W. WILSON RECORD NUMBER: BRGA97036876 (USE FORMAT 7 FOR FULLTEXT)

Industry resources 1997/1998.

AUGMENTED TITLE: special issue

TCI (TCI) v. 31 (June/July '97) p. 14-18+

WORD COUNT: 215730

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

... for AutoCAD release 13 DOS and Windows 95/NT. Version 4.1 contains 240 hatch **patterns** appended to the 67 **patterns** supplied with AutoCAD plus 29 AutoLISP generated linetypes and utilities. Program includes slide library and...

13/3,K/11 (Item 1 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

(c) 2003 The Gale Group. All rts. reserv.

01288103 SUPPLIER NUMBER: 07317825 (USE FORMAT 7 OR 9 FOR FULL TEXT)

A board buyer's wish list. (On the bus - off the bus) (column)

Lieberman, David

Computer Design, v28, n2, p13(1)

Jan 16, 1989

DOCUMENT TYPE: column ISSN: 0010-4566 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 691 LINE COUNT: 00057

... today's readers are building mission analysis simulators, flow imaging systems, video navigating viewfinders for **aerial photography**, ambulatory blood pressure monitors, centrifuge controls for pharmaceutical use, all- **electronic** voting booths, automated **fingerprint** ID systems, data-acquisition test equipment for cardiac pacemakers, turnkey environmental test systems, inertial aeronautical...

13/3,K/12 (Item 1 from file: 484)
DIALOG(R)File 484:Periodical Abs Plustext
(c) 2003 ProQuest. All rts. reserv.

05792626 SUPPLIER NUMBER: 28203059
Science and technology: Ageless beauty
Anonymous
Economist (ECT), v346 n8061, p78, p.1
Mar 28, 1998
ISSN: 0013-0613 JOURNAL CODE: ECT
DOCUMENT TYPE: News
LANGUAGE: English RECORD TYPE: AbstractAbstract

ABSTRACT: Physicist Christina Young is working on a way to **spot** cracks in **pictures** before they happen. **Electronic speckle-pattern** interferometry is used by Young to look for areas where the paint is under dangerous...

13/3,K/13 (Item 1 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

03873017 Supplier Number: 48455156 (USE FORMAT 7 FOR FULLTEXT)
-**VERIDICOM: Veridicom announces global program to create electronic fingerprint identification solutions**
M2 Presswire, pN/A
April 30, 1998
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 831

(USE FORMAT 7 FOR FULLTEXT)
TEXT:
M2 PRESSWIRE-30 April 1998-VERIDICOM: Veridicom announces global program to create **electronic fingerprint** identification solutions (C)1994-98 M2 COMMUNICATIONS LTD RDATE:290498 Veridicom, Inc., a Lucent Technologies...

...data storage. The company is a subsidiary of Arete Associates, a world leader in sophisticated **image** analysis of **satellite** and high altitude-derived visual imagery. -- Dermalog, Hamburg, Germany, a research and software development company...

...in Santa Clara, Calif. Using innovations developed by Bell Labs, Veridicom provides advanced solid-state **electronic fingerprint** recognition technology to original equipment manufacturers, value-added resellers and systems integrators. Lucent Technologies http...

13/3,K/14 (Item 1 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext

(c) 2003 CMP Media, LLC. All rts. reserv.

01213150 CMP ACCESSION NUMBER: EET20000410S0023

Commercial space advocates rethink funding

Loring Wirbel

ELECTRONIC ENGINEERING TIMES, 2000, n 1108, PG26

PUBLICATION DATE: 000410

JOURNAL CODE: EET LANGUAGE: English

RECORD TYPE: Fulltext

SECTION HEADING: News

WORD COUNT: 970

... and digital cameras can be adopted for focal plane arrays already used in the Space **Imaging satellite** and in the Mars Rover, becoming the standard COTS imaging component for dual-use satellites. Kodak also was working with the Air Force Research Lab on applying **digital watermarking** technology the company had developed for its remote-sensing images, to "embed security into images...
?

19/3,K/1 (Item 1 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2003 The Dialog Corp. All rts. reserv.

28597998 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Patrol teams will get down to e-beat mode
ECONOMIC TIMES
April 12, 2003
JOURNAL CODE: WETI LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 372

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... Station House Officers (SHO) monitor the movement of policemen in their jurisdiction. They can also **create digitised maps** of the **pattern** of movement and time taken for more effective patrolling. Earlier, point books would be placed...

19/3,K/2 (Item 1 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2003 The Gale group. All rts. reserv.

05260715 SUPPLIER NUMBER: 53187145 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Design like a pro. (Buyers Guide)
Polito, Julie
PC/Computing, 268(1)
Dec 1, 1998
DOCUMENT TYPE: Buyers Guide ISSN: 0899-1847 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 1044 LINE COUNT: 00080

...ABSTRACT: Development's Business Card, Ink & More designs great-looking business cards while Digimarc Batch Embedder **digital watermarking** utility, available as standalone or with Adobe Photoshop, embeds information into images for attribution, thus...

...enhance digital images. Visio Maps, an add-on for any Visio 5.0-based product, **creates** geographic **maps**, add links to documents, photos, or Web pages, then save the maps as HTML pages...

19/3,K/3 (Item 1 from file: 88)
DIALOG(R)File 88:Gale Group Business A.R.T.S.
(c) 2003 The Gale Group. All rts. reserv.

04780090 SUPPLIER NUMBER: 20740593
Evaluation of a preconditioned conjugate-gradient algorithm for weighted least-squares unwrapping of digital speckle-pattern interferometry phase maps.
Kaufmann, Guillermo H.; Galizzi, Gustavo E.; Ruiz, Pablo D.
Applied Optics, v37, n14, p3076(9)
May 10, 1998
ISSN: 0003-6935 LANGUAGE: English RECORD TYPE: Abstract

AUTHOR ABSTRACT: Inasmuch as current fringe analysis techniques used in **digital speckle-pattern** interferometry (DSPI) yield a phase map modulo $2(\text{Pi})$, phase unwrapping is the final step...

...a preconditioned conjugate-gradient method. The evaluation is carried

out with computer-simulated DSPI phase **maps** , an approach that permits the **generation** of phase fields without inconsistencies, which are then used to calculate phase deviations as a...

19/3,K/4 (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

01590052 SUPPLIER NUMBER: 13511248 (USE FORMAT 7 OR 9 FOR FULL TEXT)
The Windows Sources catalog. (Buyers Guide)
Dennis, Kathryn
Windows Sources, v1, n3, p483(16)
April, 1993
DOCUMENT TYPE: Buyers Guide ISSN: 1065-9641 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 12338 LINE COUNT: 01057

... 8960 FAX: 214-661-5429 \$695 Requires: 2MB RAM
Multitasking, windowing graphics design tool for **creating** illustrations, organizational charts, diagrams, **maps** , flow charts, signs, and word charts. Contains all features of Composer and adds drawing tools. Symbol editor modifies existing **symbols** or **digitizes** complex illustrations. Auto-trace feature converts bitmapped images to object-oriented art.
CA-Cricket Paint...

19/3,K/5 (Item 1 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

02380453 Supplier Number: 44694629 (USE FORMAT 7 FOR FULLTEXT)
NYNEX USES SATELLITES AND CELLULAR PHONES TO TRACK VEHICLES
Telco Business Report, v11, n10, pN/A
May 23, 1994
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 631

... along the cellular channel - in addition to your voice - and translate it into a location **marker** on **digital maps** of the city already **created** in the service center's computer. Enhanced databases will then allow the service rep to...
?

21/3,K/1 (Item 1 from file: 635)
DIALOG(R) File 635:Business Dateline(R)
(c) 2003 ProQuest Info&Learning. All rts. reserv.

2314082 160653851
Digimarc execs hold stake in California firm
Earnshaw, Aliza
Business Journal v19n26 p4
Aug 30, 2002
WORD COUNT: 559
DATELINE: Portland Oregon

TEXT:

...marketing opportunity for Digimarc's core digital watermarking business.

In its most recent proxy statement, **Digimarc** Corp. (Nasdaq: DMRC) reports that it is "considering a transaction, or possibly a series of...

...government entities and other customers" in the areas of "photogrammetric projects and the synthesis of **satellite** and terrain **imagery** into maps and geographically-keyed databases." The document does not say what GRP stands for.

?

21/7,K/1 (Item 1 from file: 635)
DIALOG(R) File 635:Business Dateline(R)
(c) 2003 ProQuest Info&Learning. All rts. reserv.

2314082 160653851

Digimarc execs hold stake in California firm

Earnshaw, Aliza

Business Journal v19n26 p4

Aug 30, 2002

WORD COUNT: 559

DATELINE: Portland Oregon

TEXT:

While Digimarc works to integrate its newly acquired driver's license business, some of the company's executives seem to be looking at another marketing opportunity for Digimarc's core digital watermarking business.

In its most recent proxy statement, **Digimarc Corp.** (Nasdaq: DMRC) reports that it is "considering a transaction, or possibly a series of transactions, with GRP Inc., a California corporation." The transaction(s) could involve "joint marketing agreements to certain government entities and other customers" in the areas of "photogrammetric projects and the synthesis of **satellite** and terrain **imagery** into maps and geographically-keyed databases." The document does not say what GRP stands for.

The statement in the proxy reveals that three of Digimarc's top executive officers in GRP Inc. own more than 40 percent of the company between them. The shareholders are CEO and board chairman Bruce Davis, CFO E.K. Ranjit and Chief Technical Officer and founder Geoff Rhoads. Rhoads is also a director and executive officer of GRP. The document doesn't say whether Digimarc itself owns any GRP shares.

Responding to several requests for information about GRP, the opportunity it represents to Digimarc and the role that Digimarc's executives are playing in GRP, a company representative said by email that GRP is not yet "on the radar" within the company, as no transactions between the two companies have taken place.

Equity analysts familiar with Digimarc who were contacted for this article had not heard of GRP, and at press time, none of them had yet spoken with Digimarc about GRP Steve Lidberg, an analyst with Pacific Crest Securities, said that Digimarc executives might have chosen to invest in GRP as individuals instead of having the company invest in it in order to keep GRP separate. "While they are looking for potential applications for watermarking, they probably don't want to dilute their focus by bringing (GRP) in house," Lidberg said.

As to whether Digimarc executives should be actively running another company, Lidberg said, "What would be disturbing is if they were participating in the day-to-day management of the company (GRP)." What can be appropriate, Lidberg said, is for companies with compatible interests and business synergies to serve on one another's boards.

The statement in Digimarc's proxy that Rhoads is an "executive officer" of GRP does not really convey enough information to judge how actively he is involved with GRP, said Lidberg. However, too much focus on GRP might not be in the best interest of Digimarc's investors. "I want to see 100 percent of Digimarc's energy being focused on achieving profitability and maximizing the bottom line for shareholders of Digimarc," said Lidberg.

Phil Leigh, who covers Digimarc for Raymond James and Associates, said that photogrammetry, mentioned in the proxy statement, is "pretty advanced

stuff."

Digimarc's technology is already used for marking maps, enabling publishers of those maps to trace their authorized or unauthorized use, and watermarking could certainly be used for photogrammetric maps, said Leigh. "It could validate some of these images with the watermark, or somehow protect them from counterfeiting," he said. Photogrammetry can have "spook applications," or use in espionage, said Leigh, or can also be used for purposes "as prosaic as currency" Digimarc technology is already in use by the G10 central banks for marking currency.

Photogrammetry is an advanced form of photography used in a fields such as architecture and civil engineering, archaeology, surgery and police work.

Copyright American City Business Journals Aug 30, 2002

TEXT:

...marketing opportunity for Digimarc's core digital watermarking business.

In its most recent proxy statement, **Digimarc Corp.** (Nasdaq: DMRC) reports that it is "considering a transaction, or possibly a series of...

...government entities and other customers" in the areas of "photogrammetric projects and the synthesis of **satellite** and terrain **imagery** into maps and geographically-keyed databases." The document does not say what GRP stands for.

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